

SAFETY DATA SHEET

Issuing Date 01-Jul-2015

Revision Date 30-Apr-2019

Revision Number 4

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name ZAR® Interior Oil Base Stain

Contains Kerosene, Solvent naphtha (petroleum), medium aliphatic

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Stains, Interior

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Company

Sika Corporation
1396 Jefferson Ave.

Dunmore

PA

18509

US

Phone: 570-344-1202

Fax: 570-969-7634

Contact Phone: 570-344-1202

For further information, please contact

E-mail Address retailorders@us.sika.com

1.4. Emergency telephone number

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
+1-800-424-9300 (NORTH AMERICA)

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Aspiration Toxicity	Category 1
Specific Target Organ Toxicity (Repeated Exposure)	Category 1

Physical Hazards

Flammable liquids	Category 3
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2.2. Label Elements

**Signal Word****Danger****Hazard Statements**

H304 - May be fatal if swallowed and enters airways
 H372 - Causes damage to organs through prolonged or repeated exposure
 H226 - Flammable liquid and vapor
 EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements

P260 - Do not breathe dust/fume/gas/mist/vapors/spray
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
 P331 - Do NOT induce vomiting
 P405 - Store locked up
 P501 - Dispose of contents/ container to an approved waste disposal plant
 P101 - If medical advice is needed, have product container or label at hand
 P102 - Keep out of reach of children

2.3. Other information

No information available

Section 3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
Solvent naphtha (petroleum), medium aliphatic	919-857-5	64742-48-9	30-60	STOT RE 1 (H372) Asp. Tox. 1 (H304)	01-2119463258-33-0028
Iron oxide	215-168-2	1309-37-1	5-10		No data available
Raw umber	235-784-5	12713-03-0	3-7		No data available
Kerosene	232-366-4	8008-20-6	3-7	Asp. Tox. 1 (H304)	01-2119485517-27
Ferric oxide black	215-277-5	1317-61-9	1-5		No data available
Titanium dioxide	236-675-5	13463-67-7	1-5	*	No data available
Carbon black	215-609-9 435-640-3	1333-86-4	1-5		No data available

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

General Advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with plenty of water removing all contaminated clothes and shoes.
Ingestion	Aspiration hazard if swallowed - can enter lungs and cause damage. Do NOT induce vomiting. If vomiting occurs, lean victim forward to reduce the risk of aspiration. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Protection of First-aiders	Remove all sources of ignition.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects Aspiration into lungs can produce severe lung damage.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

Section 5. Fire-fighting measures**5.1. Extinguishing media****Suitable Extinguishing Media**

Dry chemical, CO₂, water spray or regular foam.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Flammable. Vapors may travel to source of ignition and flash back.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Refer to Section 8 for personal protective equipment. Avoid contact with skin, eyes and clothing. Do not touch or walk through spilled material. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and materials for containment and cleaning up

Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Avoid breathing vapors or mists. Keep away from heat, sparks and open flame. No smoking. Ensure all equipment is electrically grounded before beginning transfer operations. Use only in area provided with appropriate exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	Austria	Belgium	Cyprus	Denmark
Iron oxide 1309-37-1		STEL: 10 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³	TWA: 5 mg/m ³		TWA: 3.5 mg/m ³
Raw umber 12713-03-0		STEL: 2 mg/m ³ TWA: 0.5 mg/m ³			TWA: 0.2 mg/m ³

Kerosene 8008-20-6			TWA: 200 mg/m ³ Skin		
Titanium dioxide 13463-67-7		STEL: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³		TWA: 6 mg/m ³
Carbon black 1333-86-4			TWA: 3.5 mg/m ³		TWA: 3.5 mg/m ³
Chemical Name	Finland	France	Germany	Gibraltar	Greece
Iron oxide 1309-37-1	TWA: 5 mg/m ³	TWA: 5 mg/m ³ TWA: 10 mg/m ³	Carc*		TWA: 10 mg/m ³ STEL: 10 mg/m ³
Raw umber 12713-03-0	TWA: 0.2 mg/m ³ TWA: 0.02 mg/m ³		TWA: 0.2 mg/m ³ TWA: 0.02 mg/m ³ Ceiling / Peak: 1.6 mg/m ³ Ceiling / Peak: 0.16 mg/m ³		
Ferric oxide black 1317-61-9			Carc*		
Titanium dioxide 13463-67-7		TWA: 10 mg/m ³	Carc*		TWA: 10 mg/m ³ TWA: 5 mg/m ³
Carbon black 1333-86-4	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³	Carc*		TWA: 3.5 mg/m ³ STEL: 7 mg/m ³
Chemical Name	Ireland	Italy	Lithuania	Luxembourg	Malta
Iron oxide 1309-37-1	TWA: 5 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 10 mg/m ³ STEL: 12 mg/m ³	TWA: 5 mg/m ³ Carc*	TWA: 3.5 mg/m ³		
Raw umber 12713-03-0	TWA: 0.2 mg/m ³ STEL: 0.6 mg/m ³				
Kerosene 8008-20-6	Skin	TWA: 200 mg/m ³ Skin Carc*			
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³	TWA: 10 mg/m ³ Carc*	TWA: 5 mg/m ³		
Carbon black 1333-86-4	TWA: 3 mg/m ³ STEL: 15 mg/m ³	TWA: 3 mg/m ³ Carc*			
Chemical Name	The Netherlands	Norway	Poland	Portugal	Spain
Iron oxide 1309-37-1		TWA: 3 mg/m ³ STEL: 3 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ Carc*	TWA: 5 mg/m ³
Raw umber 12713-03-0			TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³		TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³
Kerosene 8008-20-6			TWA: 100 mg/m ³ STEL: 300 mg/m ³	TWA: 200 ppm Skin Carc*	TWA: 200 mg/m ³ Skin
Titanium dioxide 13463-67-7		TWA: 5 mg/m ³ STEL: 5 mg/m ³	TWA: 10.0 mg/m ³ STEL: 30 mg/m ³	TWA: 10 mg/m ³ Carc*	TWA: 10 mg/m ³
Carbon black 1333-86-4		TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 4.0 mg/m ³	TWA: 3.5 mg/m ³ Carc*	TWA: 3.5 mg/m ³
Chemical Name	Switzerland		Sweden		The United Kingdom
Iron oxide 1309-37-1	TWA: 3 mg/m ³		LLV: 3.5 mg/m ³		TWA: 5 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 10 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
Raw umber 12713-03-0	TWA: 0.5 mg/m ³				
Titanium dioxide 13463-67-7	TWA: 3 mg/m ³		LLV: 5 mg/m ³		TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
Carbon black 1333-86-4			LLV: 3 mg/m ³		STEL: 7 mg/m ³ TWA: 3.5 mg/m ³

Biological occupational exposure limits

Chemical Name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Carbon black 1333-86-4		with high ratio of Polycyclic aromatic hydrocarbons			
Chemical Name	Slovakia	Spain	Switzerland	United Kingdom	
Raw umber 12713-03-0			20 µg/L whole blood end of shift, and after several shifts (for long-term exposures) Manganese Q		

Derived No Effect Level No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.
Personal protective equipment Personal protection equipment should be chosen according to the CEN standards
Eye Protection Tightly fitting safety goggles.
Skin and Body Protection Wear protective gloves/clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.
Hand Protection Protective gloves.
Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls Do not allow material to contaminate ground water system. Do not allow into any sewer, on the ground or into any body of water.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State Liquid **Appearance** Brown, Dark brown
Odor Aliphatic hydrocarbons

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	40 °C / 104 °F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air	No data available	None known
Vapor Pressure	No data available.	None known
Vapor Density	No data available.	None known
Relative Density	No data available	None known
Water Solubility	Insoluble	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	25-35 seconds #4 Ford cup	ASTM 2938.17
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other information

VOC Content (%) No information available
 VOC (g/l) 438 (ISO 118990-2)

Section 10. Stability and reactivity

10.1. Reactivity

Not reactive under normal conditions

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None under normal use.

Section 11. Toxicological information

11.1. Information on toxicological effects**Acute Toxicity****Product Information****Inhalation****Eye Contact****Skin Contact****Ingestion**

May cause irritation of respiratory tract.
 Contact with eyes may cause irritation.
 Repeated exposure may cause skin dryness or cracking. May be harmful in contact with skin.
 May be harmful if swallowed. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Acute Toxicity

59% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 3,728.00 mg/kg
 LD50 Dermal 2,056.00 mg/kg

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Iron oxide	> 10000 mg/kg (Rat)		
Kerosene	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
Carbon black	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	
Titanium dioxide	> 10000 mg/kg (Rat)		

Respiratory or Skin Sensitization

Not expected to be a sensitizer.

Mutagenic Effects

Based on available data, the classification criteria are not met.

Carcinogenic Effects

Based on available data, the classification criteria are not met.

Reproductive Toxicity

Based on available data, the classification criteria are not met.

Developmental Toxicity

Based on available data, the classification criteria are not met.

STOT - single exposure

Based on available data, the classification criteria are not met

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Target Organ Effects

Blood. Central nervous system (CNS). Eyes. Kidney. Lungs. Lymphatic system. Respiratory

Aspiration Hazard	system. Skin. Risk of serious damage to the lungs (by aspiration). May be fatal if swallowed and enters airways.
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Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Solvent naphtha (petroleum), medium aliphatic	EC50 96 h: = 450 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 800 mg/L static (Pimephales promelas)		EC50 48 h: > 100 mg/L (Daphnia magna)
Carbon black				EC50 24 h: > 5600 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with all European and Local regulations. Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III, (40°C c.c.)
14.5. Marine Pollutant	None
14.6. Special Provisions	None
EmS No.	F-E, S-E
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III
14.5. Environmental hazard	None
14.6. Special Provisions	None
Classification Code	F1

ADR

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III, (D/E)
14.5. Environmental hazard	None
14.6. Special Provisions	None
Classification Code	F1

ICAO

14.1. UN-Number	UN1263
14.2. Proper shipping name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III
14.5. Environmental hazard	None
14.6. Special Provisions	None

IATA

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III
14.5. Environmental hazard	None
14.6. Special Provisions	None
ERG Code	3L

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

TSCA	Complies
European Union	Contact supplier for inventory compliance status
DSL/NDL	Complies

PICCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Complies
AICS	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status

Legend**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**AICS** - Australian Inventory of Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**15.2. Chemical Safety Assessment**

No information available

Section 16. Other information**Full text of H-Statements referred to under sections 2 and 3**

H372 - Causes damage to organs (a,b,c) through prolonged or repeated exposure if inhaled

H304 - May be fatal if swallowed and enters airways

EUH066 - Repeated exposure may cause skin dryness or cracking

H226 - Flammable liquid and vapor

Key literature references and sources for datawww.ChemADVISOR.com/**Issuing Date** 01-Jul-2015**Revision Date** 07-May-2018**Revision Note** (M)SDS sections updated: 2, 3, 8, 9, 11, 13.**This safety data sheet complies with the requirements of Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006****General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

ZAR® Baby Grand Stain

Version number: REV 2.0
Replaces version of: 2020-12-08 (REV 1)

Revision: 2021-05-28

SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Baby Grand Stain

Alternative number(s)

12106; UFI: 2DR4-XG4U-C30D-RRKC
12111; UFI: 3A46-0G8A-G30U-HEXM
12112; UFI: 2WD6-MG91-430A-NK72
12113; UFI: 7GP6-7G9Q-R30T-TQGH

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

Sika Corporation

1396 Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

1.4 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office
hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.6	carcinogenicity	2	Carc. 2	H351
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

ZAR® Baby Grand Stain

Version number: REV 2.0

Replaces version of: 2020-12-08 (REV 1)

Revision: 2021-05-28

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

ZAR® Baby Grand Stain

Version number: REV 2.0
Replaces version of: 2020-12-08 (REV 1)

Revision: 2021-05-28

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

ZAR® Baby Grand Stain

Version number: REV 2.0
Replaces version of: 2020-12-08 (REV 1)

Revision: 2021-05-28

SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	calcium carbonate	1317-65-3	REL		10 (10 h)					i, natural	NIOSH REL
US	calcium carbonate	1317-65-3	REL		5 (10 h)					r, natural	NIOSH REL
US	limestone	1317-65-3	REL		10 (10 h)					i	NIOSH REL
US	limestone	1317-65-3	REL		5 (10 h)					r	NIOSH REL

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	limestone (calcium carbonate)	1317-65-3	PEL		15					i, dust	29 CFR 1910.1000
US	limestone (calcium carbonate)	1317-65-3	PEL		5					r, dust	29 CFR 1910.1000
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2020
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2020

Notation

Ceiling-C	ceiling value is a limit value above which exposure should not occur
dust	as dust
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
natural	natural
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours
vap	time-weighted average (unless otherwise specified) as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

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Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	29 °C at 101.3 kPa
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	1.01 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

- Acute toxicity estimate (ATE)

Inhalation: vapor 13.11 mg/l/4h

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

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Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h

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Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

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SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN1263, Paint related material, 3, III, environmentally hazardous
Reportable quantity (RQ)	4,302,926 lbs (1,953,528 kg) (naphthalene) (arsenic)
Danger label(s)	3, fish and tree




Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	367, B1, B52, B131, IB3, T2, TP1, TP29
ERG No	128

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International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)
Danger label(s)	3, fish and tree
	
Special provisions (SP)	163, 223, 367, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, <u>S-E</u>
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	3
	
Special provisions (SP)	A3, A72, A192
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxics CWA 303(d)
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBTs EC Annex VI CMRs - Cat. 1B

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
2-ethylhexanoic acid	149-57-5		

Legend

F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	

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- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F

Legend

F Flammability (NFPA®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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acc. to 29 CFR 1910.1200 App D

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SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Ex- posure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Explosive limits: not determined		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Reportable quantity (RQ): 4,302,926 lbs (1,953,528 kg) (naphthalene) (benzene)	Reportable quantity (RQ): 4,302,926 lbs (1,953,528 kg) (naphthalene) (arsenic)	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, S-E	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

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End of safety data sheet

ZAR® Black Walnut Stain

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Black Walnut Stain

Alternative number(s)

12506; UFI: HKHQ-DK4W-T30Q-9VN0
12511; UFI: CHWR-FK8D-Y305-1K08
12512; UFI: W36S-2K93-K30N-6Q8Q
12513; UFI: JPFS-PK9T-7304-AUJ5
12506S; UFI: 86KQ-0K8F-N304-VCQ7

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

Sika Corporation Laboratories, Inc.
1396 Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

1.4 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office
hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

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Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling	Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene
---------------------------------------	--

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
 May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
 Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Titanium dioxide	CAS No 13463-67-7	1 – < 5	Carc. 2 / H351
Quartz (SiO ₂)	CAS No 14808-60-7	0.05 – < 1	Carc. 1A / H350
Aluminium oxide	CAS No 1344-28-1	0.05 – < 1	Acute Tox. 3 / H331
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Carbon black	CAS No 1333-86-4	0.05 – < 1	Carc. 1A / H350
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

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Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

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Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	diiron trioxide (iron(III) oxide)	1309-37-1	TLV®		5					r	ACGIH® 2021
US	iron(III) oxide	1309-37-1	PEL (CA)		5					fume	Cal/ OSHA PEL
US	iron(III) oxide	1309-37-1	PEL		10					fume	29 CFR 1910.10 00
US	iron(III) oxide (diiron trioxide)	1309-37-1	REL		5 (10 h)					df, Fe	NIOSH REL
US	rouge	1309-37-1	REL							appx-D	NIOSH REL
US	rouge	1309-37-1	PEL		15					i, dust	29 CFR 1910.10 00
US	rouge	1309-37-1	PEL		5					r, dust	29 CFR 1910.10 00
US	calcium carbonate	1317-65-3	REL		10 (10 h)					i, natural	NIOSH REL
US	calcium carbonate	1317-65-3	REL		5 (10 h)					r, natural	NIOSH REL
US	limestone	1317-65-3	REL		10 (10 h)					i	NIOSH REL
US	limestone	1317-65-3	REL		5 (10 h)					r	NIOSH REL
US	limestone (calcium carbonate)	1317-65-3	PEL		15					i, dust	29 CFR 1910.10 00
US	limestone (calcium carbonate)	1317-65-3	PEL		5					r, dust	29 CFR 1910.10 00
US	carbon black	1333-86-4	PEL (CA)		3.5						Cal/ OSHA PEL
US	carbon black	1333-86-4	PEL		3.5						29 CFR 1910.10 00
US	carbon black	1333-86-4	REL		3.5 (10 h)					appx-A, appx-C	NIOSH REL
US	carbon black	1333-86-4	TLV®		3					i	ACGIH® 2021

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

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Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)	1333-86-4	REL		0.1 (10 h)					PAHs, appx-A, appx-C	NIOSH REL
US	alpha-Alumina	1344-28-1	REL							appx-D	NIOSH REL
US	alpha-alumina	1344-28-1	PEL		15					i, dust	29 CFR 1910.1000
US	alpha-alumina	1344-28-1	PEL		5					r, dust	29 CFR 1910.1000
US	aluminium, insoluble compounds	1344-28-1	TLV®		1					r	ACGIH® 2021
US	aluminium oxide	1344-28-1	PEL (CA)		10					dust	Cal/ OSHA PEL
US	aluminium oxide	1344-28-1	PEL (CA)		5					r	Cal/ OSHA PEL
US	titanium dioxide	13463-67-7	TLV®		10						ACGIH® 2021
US	titanium dioxide	13463-67-7	PEL		15					i, dust	29 CFR 1910.1000
US	titanium dioxide	13463-67-7	REL							lowest, appx-A	NIOSH REL
US	quartz	14808-60-7	PEL (CA)		0.05					r	Cal/ OSHA PEL
US	silica, crystalline - quartz	14808-60-7	PEL		0.05					r	29 CFR 1910.1000
US	silica, crystalline - quartz	14808-60-7	REL		0.05 (10 h)					r, appx-A	NIOSH REL
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2021
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2021

Notation

appx-A NIOSH Potential Occupational Carcinogen (Appendix A)
 appx-C Appendix C - Supplementary Exposure Limits
 appx-D see Appendix D - Substances with No Established RELs
 Ceiling-C ceiling value is a limit value above which exposure should not occur

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Notation

df	as dust and fumes
dust	as dust
Fe	calculated as Fe (iron)
fume	as fume
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
lowest	exposure by all routes should be carefully controlled to levels as low as possible
natural	natural
PAHs	as polycyclic aromatic hydrocarbons (PAHs)
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours
	time-weighted average (unless otherwise specified)
vap	as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

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Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	38 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	1.02 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: vapor 12.68 mg/l/4h

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Aluminium oxide	1344-28-1	inhalation: vapor	3 mg/l/4h
Aluminium oxide	1344-28-1	inhalation: dust/mist	>0.888 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

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IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
Quartz (SiO ₂)	14808-60-7	1	
Titanium dioxide	13463-67-7	2B	
Carbon black	1333-86-4	2B	

Legend

- 1 Carcinogenic to humans
2B Possibly carcinogenic to humans

National Toxicology Program (United States): Report on Carcinogens

Name of substance	CAS No	Classification	Number
Carbon black	1333-86-4	Known to be human carcinogens	1st Report on Carcinogens

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
Carbon black	1333-86-4	EC50	>5,600 mg/l	aquatic invertebrates	24 h
Carbon black	1333-86-4	ErC50	>10,000 mg/l	algae	72 h

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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

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Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration UN1263, Paint related material, 3, III, environmentally hazardous

Reportable quantity (RQ) 4,504,505 lbs (2,045,045 kg) (naphthalene) (arsenic)

Danger label(s) 3, fish and tree



Environmental hazards yes (hazardous to the aquatic environment)

Special provisions (SP) 367, B1, B52, B131, IB3, T2, TP1, TP29

ERG No 128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)

Danger label(s) 3, fish and tree



Special provisions (SP) 163, 223, 367, 955

Excepted quantities (EQ) E1

Limited quantities (LQ) 5 L

EmS F-E, S-E

Stowage category A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards yes (hazardous to the aquatic environment)

Danger label(s) 3



Special provisions (SP) A3, A72, A192

Excepted quantities (EQ) E1

Limited quantities (LQ) 10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings			
Name of substance	CAS No	Remarks	Effective date
Aluminium oxide	1344-28-1	fibrous forms	1986-12-31

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Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxicants CWA 303(d)
Titanium dioxide	13463-67-7		IARC Carcinogens - 2B Prop 65
Quartz (SiO ₂)	14808-60-7		IARC Carcinogens - 1
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBTs EC Annex VI CMRs - Cat. 1B
Carbon black	1333-86-4		IARC Carcinogens - 2B Prop 65

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Quartz (SiO ₂)		1095			1.0 %
Aluminium oxide	1344-28-1				1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Quartz (SiO ₂)		A, *	
Titanium dioxide	13463-67-7	A	
Carbon black	1333-86-4	A, N, O, R, *	

Legend

- * Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).
- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division
- R International Agency for Research on Cancer (IARC) Monographs on the Evaluation of the Carcinogenic Risks to Humans; Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42, Supplement 7 (1987). Available from: WHO Publications Centre USA

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
Quartz (SiO ₂)	14808-60-7		CA
Titanium dioxide	13463-67-7		
Carbon black	1333-86-4		CA
Aluminium oxide	1344-28-1		

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Name of substance	CAS No	Remarks	Classifications
2-ethylhexanoic acid	149-57-5		

Legend

CA Carcinogenic
F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	
TITANIUM OXIDE (TiO ₂)	13463-67-7	
SOOT		S
ALUMINUM OXIDE (Al ₂ O ₃)	1344-28-1	E

Legend

E Environmental hazard
S Special hazardous substance

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F
Quartz (SiO ₂)	14808-60-7	T
Titanium dioxide	13463-67-7	T
Carbon black	1333-86-4	T
Aluminium oxide	1344-28-1	T

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
titanium dioxide	13463-67-7	airborne, unbound particles of respirable size	cancer
carbon black	1333-86-4	airborne, unbound particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer
cobalt	7440-48-4	metal powder	cancer

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Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
mercury	7439-97-6		developmental
cadmium	7440-43-9		developmental, male
cadmium	7440-43-9		cancer
cadmium	7440-43-9		

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.2	- Hazardous ingredients for labelling: Quartz (SiO ₂), Distillates (petroleum), hydro- treated light, ethyl methyl ketoxime, 2-ethylhex- anoic acid	- Hazardous ingredients for labelling: Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Ex- posure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: 29 °C at 101.3 kPa	Flash point: 38 °C at 1 atm	yes
9.1	Explosive limits: not determined		yes
11.1		- Acute toxicity estimate (ATE): change in the listing (table)	yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Reportable quantity (RQ): 4,504,505 lbs (2,045,045 kg) (naphthalene) (benzene)	Reportable quantity (RQ): 4,504,505 lbs (2,045,045 kg) (naphthalene) (arsenic)	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, S-E	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.

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Code	Text
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Cherry Stain

Alternative number(s)

11606; UFI: FP8P-3AW0-1307-CU8J
11611; UFI: 3MNQ-6A0G-530P-3HMT
11612; UFI: P6XQ-TA15-T305-7NW8
11613; UFI: 3S6R-EA1V-E30N-DT5Q
11606S; UFI: 79AP-RA0H-U30N-WAAS

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

Sika Corporation

1396 Jefferson Avenue

Dunmore PA 18509

United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

1.4 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office
hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

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Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling	Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene
---------------------------------------	--

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
 May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
 Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Quartz (SiO ₂)	CAS No 14808-60-7	0.05 – < 1	Carc. 1A / H350
Aluminium oxide	CAS No 1344-28-1	0.05 – < 1	Acute Tox. 3 / H331
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	diiron trioxide (iron(III) oxide)	1309-37-1	TLV®		5					r	ACGIH® 2021
US	iron(III) oxide	1309-37-1	PEL (CA)		5					fume	Cal/ OSHA PEL

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	iron(III) oxide	1309-37-1	PEL		10					fume	29 CFR 1910.1000
US	iron(III) oxide (diiron trioxide)	1309-37-1	REL		5 (10 h)					df, Fe	NIOSH REL
US	rouge	1309-37-1	REL							appx-D	NIOSH REL
US	rouge	1309-37-1	PEL		15					i, dust	29 CFR 1910.1000
US	rouge	1309-37-1	PEL		5					r, dust	29 CFR 1910.1000
US	calcium carbonate	1317-65-3	REL		10 (10 h)					i, natural	NIOSH REL
US	calcium carbonate	1317-65-3	REL		5 (10 h)					r, natural	NIOSH REL
US	limestone	1317-65-3	REL		10 (10 h)					i	NIOSH REL
US	limestone	1317-65-3	REL		5 (10 h)					r	NIOSH REL
US	limestone (calcium carbonate)	1317-65-3	PEL		15					i, dust	29 CFR 1910.1000
US	limestone (calcium carbonate)	1317-65-3	PEL		5					r, dust	29 CFR 1910.1000
US	alpha-Alumina	1344-28-1	REL							appx-D	NIOSH REL
US	alpha-alumina	1344-28-1	PEL		15					i, dust	29 CFR 1910.1000
US	alpha-alumina	1344-28-1	PEL		5					r, dust	29 CFR 1910.1000
US	aluminium, insoluble compounds	1344-28-1	TLV®		1					r	ACGIH® 2021
US	aluminium oxide	1344-28-1	PEL (CA)		10					dust	Cal/ OSHA PEL
US	aluminium oxide	1344-28-1	PEL (CA)		5					r	Cal/ OSHA PEL
US	quartz	14808-60-7	PEL (CA)		0.05					r	Cal/ OSHA PEL

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	silica, crystalline - quartz	14808-60-7	PEL		0.05					r	29 CFR 1910.1000
US	silica, crystalline - quartz	14808-60-7	REL		0.05 (10 h)					r, appx-A	NIOSH REL
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2021
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2021

Notation

appx-A	NIOSH Potential Occupational Carcinogen (Appendix A)
appx-D	see Appendix D - Substances with No Established RELs
Ceiling-C	ceiling value is a limit value above which exposure should not occur
df	as dust and fumes
dust	as dust
Fe	calculated as Fe (iron)
fume	as fume
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
natural	natural
r	respirable fraction
STEL	short-term exposure limit; a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours
	time-weighted average (unless otherwise specified)
vap	as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

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Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	38 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	0.91 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: vapor 10.97 mg/l/4h

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Aluminium oxide	1344-28-1	inhalation: vapor	3 mg/l/4h
Aluminium oxide	1344-28-1	inhalation: dust/mist	>0.888 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h

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Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
Quartz (SiO ₂)	14808-60-7	1	

Legend

1 Carcinogenic to humans

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h

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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

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Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration UN1263, Paint related material, 3, III, environmentally hazardous

Reportable quantity (RQ) 4,173,623 lbs (1,894,825 kg) (naphthalene) (n-butanol)

Danger label(s) 3, fish and tree



Environmental hazards yes (hazardous to the aquatic environment)

Special provisions (SP) 367, B1, B52, B131, IB3, T2, TP1, TP29

ERG No 128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)

Danger label(s) 3, fish and tree



Special provisions (SP) 163, 223, 367, 955

Excepted quantities (EQ) E1

Limited quantities (LQ) 5 L

EmS F-E, S-E

Stowage category A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards yes (hazardous to the aquatic environment)

Danger label(s) 3



Special provisions (SP) A3, A72, A192

Excepted quantities (EQ) E1

Limited quantities (LQ) 10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings			
Name of substance	CAS No	Remarks	Effective date
Aluminium oxide	1344-28-1	fibrous forms	1986-12-31

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Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxicants CWA 303(d)
Quartz (SiO ₂)	14808-60-7		IARC Carcinogens - 1
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBTs EC Annex VI CMRs - Cat. 1B

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Quartz (SiO ₂)		1095			1.0 %
Aluminium oxide	1344-28-1				1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Quartz (SiO ₂)		A, *	

Legend

* Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
Quartz (SiO ₂)	14808-60-7		CA
Aluminium oxide	1344-28-1		
2-ethylhexanoic acid	149-57-5		

Legend

CA Carcinogenic

F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	
ALUMINUM OXIDE (AL ₂ O ₃)	1344-28-1	E

Legend

E Environmental hazard

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- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F
Quartz (SiO ₂)	14808-60-7	T
Aluminium oxide	1344-28-1	T

Legend

F Flammability (NFPA®)

T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions

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Category	Degree of hazard	Description
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): robin.crossley@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Ex- posure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: 29 °C at 101.3 kPa	Flash point: 38 °C at 1 atm	yes
9.1	Explosive limits: not determined		yes
11.1		- Acute toxicity estimate (ATE): change in the listing (table)	yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Reportable quantity (RQ): 4,173,623 lbs (1,894,825 kg) (naphthalene) (benzene)	Reportable quantity (RQ): 4,173,623 lbs (1,894,825 kg) (naphthalene) (n-butanol)	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, S-E	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.

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Code	Text
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

ZAR® Chestnut Stain

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Chestnut Stain

Alternative number(s)

12606; UFI: 647M-RMDP-P30J-5NW5
12611; UFI: 31MN-TMH5-U300-WC8E
12612; UFI: 1NVN-EMHV-F30G-2GHV
12613; UFI: 375P-1MJK-230Y-7MTA
12606S; UFI: AR8M-CMH7-G30Y-R4YD

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

Sika Corporation

1396 Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

1.4 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office
hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.6	carcinogenicity	2	Carc. 2	H351
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

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2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling

Distillates (petroleum), hydrotreated light, 2-ethylhexanoic acid, ethyl methyl ketoxime, Ker-osene

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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acc. to 29 CFR 1910.1200 App D

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

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SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	diiron trioxide (iron(III) oxide)	1309-37-1	TLV®		5					r	ACGIH® 2021
US	iron(III) oxide	1309-37-1	PEL (CA)		5					fume	Cal/ OSHA PEL
US	iron(III) oxide	1309-37-1	PEL		10					fume	29 CFR 1910.1000

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	iron(III) oxide (diiron trioxide)	1309-37-1	REL		5 (10 h)					df, Fe	NIOSH REL
US	rouge	1309-37-1	REL							appx-D	NIOSH REL
US	rouge	1309-37-1	PEL		15					i, dust	29 CFR 1910.1000
US	rouge	1309-37-1	PEL		5					r, dust	29 CFR 1910.1000
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2021
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2021

Notation

appx-D	see Appendix D - Substances with No Established RELs
Ceiling-C	ceiling value is a limit value above which exposure should not occur
df	as dust and fumes
dust	as dust
Fe	calculated as Fe (iron)
fume	as fume
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit); measured or calculated in relation to a reference period of 8 hours
	time-weighted average (unless otherwise specified)
vap	as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	38 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	0.92 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
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Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: vapor 11.34 mg/l/4h

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Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h

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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

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Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration UN1263, Paint related material, 3, III, environmentally hazardous

Reportable quantity (RQ) 4,201,681 lbs (1,907,563 kg) (naphthalene) (arsenic)

Danger label(s) 3, fish and tree



Environmental hazards yes (hazardous to the aquatic environment)

Special provisions (SP) 367, B1, B52, B131, IB3, T2, TP1, TP29

ERG No 128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)

Danger label(s) 3, fish and tree



Special provisions (SP) 163, 223, 367, 955

Excepted quantities (EQ) E1

Limited quantities (LQ) 5 L

EmS F-E, S-E

Stowage category A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards yes (hazardous to the aquatic environment)

Danger label(s) 3



Special provisions (SP) A3, A72, A192

Excepted quantities (EQ) E1

Limited quantities (LQ) 10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxicants CWA 303(d)
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBiTs EC Annex VI CMRs - Cat. 1B

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- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
2-ethylhexanoic acid	149-57-5		

Legend

F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F

Legend

F Flammability (NFPA®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer
cobalt	7440-48-4	metal powder	cancer
mercury	7439-97-6		developmental
cadmium	7440-43-9		developmental, male
cadmium	7440-43-9		cancer
cadmium	7440-43-9		

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

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Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: 29 °C at 101.3 kPa	Flash point: 38 °C at 1 atm	yes
9.1	Explosive limits: not determined		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Reportable quantity (RQ): 4,201,681 lbs (1,907,563 kg) (naphthalene) (benzene)	Reportable quantity (RQ): 4,201,681 lbs (1,907,563 kg) (naphthalene) (arsenic)	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, <u>S-E</u>	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

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Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Dark Chocolate Truffle Stain

Alternative number(s)

12306; UFI: UG4X-NHND-3302-HA3P
12311; UFI: NEHY-QHRV-730H-80FX
12312; UFI: T0TY-AHSJ-V300-E4RD
12313; UFI: 7K20-XJT8-G30G-J90U

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

Sika Corporation

1396 Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

1.4 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

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- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling

Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

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Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	CAS No 14807-96-6	1 – < 5	Acute Tox. 4 / H332 Carc. 2 / H351
Quartz (SiO ₂)	CAS No 14808-60-7	0.05 – < 1	Carc. 1A / H350
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

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SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	diiron trioxide (iron(III) oxide)	1309-37-1	TLV®		5					r	ACGIH® 2021
US	iron(III) oxide	1309-37-1	PEL (CA)		5					fume	Cal/ OSHA PEL
US	iron(III) oxide	1309-37-1	PEL		10					fume	29 CFR 1910.1000

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

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Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	iron(III) oxide (diiron trioxide)	1309-37-1	REL		5 (10 h)					df, Fe	NIOSH REL
US	rouge	1309-37-1	REL							appx-D	NIOSH REL
US	rouge	1309-37-1	PEL		15					i, dust	29 CFR 1910.1000
US	rouge	1309-37-1	PEL		5					r, dust	29 CFR 1910.1000
US	talc	14807-96-6	PEL (CA)	1						+asb, fib/cm³	Cal/ OSHA PEL
US	talc	14807-96-6	TLV®		0.1					fib/cm³, +asb, CA-10	ACGIH® 2021
US	talc	14807-96-6	PEL		0.1		1 (30 min)			no_asb, fib/ml	29 CFR 1910.1000
US	talc	14807-96-6	PEL (CA)		2					no_asb, r, less1sili ca	Cal/ OSHA PEL
US	talc	14807-96-6	PEL	706						partml, noAsb, less1Sil, r	29 CFR 1910.1000
US	talc	14807-96-6	REL		2 (10 h)					r, less1sili ca, no_asb	NIOSH REL
US	talc	14807-96-6	TLV®		2					r, noAsb, less1Sil	ACGIH® 2021
US	quartz	14808-60-7	PEL (CA)		0.05					r	Cal/ OSHA PEL
US	silica, crystalline - quartz	14808-60-7	PEL		0.05					r	29 CFR 1910.1000
US	silica, crystalline - quartz	14808-60-7	REL		0.05 (10 h)					r, appx-A	NIOSH REL
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2021
US	magnesite	546-93-0	REL		10 (10 h)					i	NIOSH REL
US	magnesite	546-93-0	PEL		15					i, dust	29 CFR 1910.1000

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	magnesite	546-93-0	REL		5 (10 h)					r	NIOSH REL
US	magnesite	546-93-0	PEL		5					r, dust	29 CFR 1910.10 00
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.10 00
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2021

Notation

+asb	containing asbestos fibers
appx-A	NIOSH Potential Occupational Carcinogen (Appendix A)
appx-D	see Appendix D - Substances with No Established RELs
CA-10	Respirable fibers: length > 5µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450 times magnification (4-mm objective), using phase-contrast illumination.
Ceiling-C	ceiling value is a limit value above which exposure should not occur
df	as dust and fumes
dust	as dust
Fe	calculated as Fe (iron)
fib/cm³	fibers/cm³
fib/ml	fibers/ml
fume	as fume
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
less1silica	with less than 1 % free crystalline silica
no_asb	containing no asbestos fibers
noAsb_less1	contains no asbestos and less than 1% free crystalline silica
Sil	
partml	particles/ml
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours
	time-weighted average (unless otherwise specified)
vap	as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	38 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	1.1 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
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Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

- Acute toxicity estimate (ATE)

Inhalation: vapor 14.51 mg/l/4h

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Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	inhalation: dust/mist	>2.1 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans			
Name of substance	CAS No	Classification	Number
Quartz (SiO ₂)	14808-60-7	1	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	3	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	2B	

Legend

- 1 Carcinogenic to humans
- 2B Possibly carcinogenic to humans
- 3 Not classifiable as to carcinogenicity in humans

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

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SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	LC50	89,581 mg/l	fish	96 h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	EC50	7,203 mg/l	algae	96 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

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12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III

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ICAO-TI	III
14.5 Environmental hazards	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light
14.6 Special precautions for user	
There is no additional information.	
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	
The cargo is not intended to be carried in bulk.	

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN1263, Paint related material, 3, III, environmentally hazardous
Reportable quantity (RQ)	4,990,020 lbs (2,265,469 kg) (naphthalene) (n-butanol)
Danger label(s)	3, fish and tree



Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	367, B1, B52, B131, IB3, T2, TP1, TP29
ERG No	128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)
Danger label(s)	3, fish and tree



Special provisions (SP)	163, 223, 367, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, <u>S-E</u>
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	3



Special provisions (SP)	A3, A72, A192
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxicants CWA 303(d)
Quartz (SiO ₂)	14808-60-7		IARC Carcinogens - 1
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBTs EC Annex VI CMRs - Cat. 1B

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Quartz (SiO ₂)		1095			1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Quartz (SiO ₂)		A, *	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	A, O	fiber
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	A, R, *	fiber

Legend

- * Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).
- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division
- R International Agency for Research on Cancer (IARC) Monographs on the Evaluation of the Carcinogenic Risks to Humans; Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42, Supplement 7 (1987). Available from: WHO Publications Centre USA

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
Quartz (SiO ₂)	14808-60-7		CA
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	containing no asbestos fibers	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	containing asbestos fibers	CA
2-ethylhexanoic acid	149-57-5		

Legend

- CA Carcinogenic
- F2 Flammable - Second Degree

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- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	
TALC (MG3H2(SIO3)4)	14807-96-6	

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F
Quartz (SiO2)	14808-60-7	T
Talc (Mg3H2(SiO3)4)	14807-96-6	T

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer
Talc containing asbestiform fibers	14807-96-6	Talc containing asbestiform fibers	cancer

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

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Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: 29 °C at 101.3 kPa	Flash point: 38 °C at 1 atm	yes
9.1	Explosive limits: not determined		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, <u>S-E</u>	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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Code	Text
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Dark Mahogany Stain

Alternative number(s)

11806; UFI: NSNF-UDDH-R30W-3DSV
11811; UFI: XP1H-WDH0-W30C-U354
11812; UFI: S9AH-HDHQ-H30U-07EK
11813; UFI: SVKH-4DJE-530A-5CQ1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

Sika Corporation

1396 Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

1.4 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

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- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling

Distillates (petroleum), hydrotreated light, 2-ethylhexanoic acid, ethyl methyl ketoxime, Kerosene

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

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Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Quartz (SiO ₂)	CAS No 14808-60-7	0.05 – < 1	Carc. 1A / H350
Aluminium oxide	CAS No 1344-28-1	0.05 – < 1	Acute Tox. 3 / H331
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

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SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	diiron trioxide (iron(III) oxide)	1309-37-1	TLV®		5					r	ACGIH® 2021
US	iron(III) oxide	1309-37-1	PEL (CA)		5					fume	Cal/ OSHA PEL
US	iron(III) oxide	1309-37-1	PEL		10					fume	29 CFR 1910.1000

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Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	iron(III) oxide (diiron trioxide)	1309-37-1	REL		5 (10 h)					df, Fe	NIOSH REL
US	rouge	1309-37-1	REL							appx-D	NIOSH REL
US	rouge	1309-37-1	PEL		15					i, dust	29 CFR 1910.1000
US	rouge	1309-37-1	PEL		5					r, dust	29 CFR 1910.1000
US	calcium carbonate	1317-65-3	REL		10 (10 h)					i, natural	NIOSH REL
US	calcium carbonate	1317-65-3	REL		5 (10 h)					r, natural	NIOSH REL
US	limestone	1317-65-3	REL		10 (10 h)					i	NIOSH REL
US	limestone	1317-65-3	REL		5 (10 h)					r	NIOSH REL
US	limestone (calcium carbonate)	1317-65-3	PEL		15					i, dust	29 CFR 1910.1000
US	limestone (calcium carbonate)	1317-65-3	PEL		5					r, dust	29 CFR 1910.1000
US	alpha-Alumina	1344-28-1	REL							appx-D	NIOSH REL
US	alpha-alumina	1344-28-1	PEL		15					i, dust	29 CFR 1910.1000
US	alpha-alumina	1344-28-1	PEL		5					r, dust	29 CFR 1910.1000
US	aluminium, insoluble compounds	1344-28-1	TLV®		1					r	ACGIH® 2021
US	aluminium oxide	1344-28-1	PEL (CA)		10					dust	Cal/OSHA PEL
US	aluminium oxide	1344-28-1	PEL (CA)		5					r	Cal/OSHA PEL
US	quartz	14808-60-7	PEL (CA)		0.05					r	Cal/OSHA PEL
US	silica, crystalline - quartz	14808-60-7	PEL		0.05					r	29 CFR 1910.1000
US	silica, crystalline - quartz	14808-60-7	REL		0.05 (10 h)					r, appx-A	NIOSH REL

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2021
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.10 00
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2021

Notation

appx-A	NIOSH Potential Occupational Carcinogen (Appendix A)
appx-D	see Appendix D - Substances with No Established RELs
Ceiling-C	ceiling value is a limit value above which exposure should not occur
df	as dust and fumes
dust	as dust
Fe	calculated as Fe (iron)
fume	as fume
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
natural	natural
r	respirable fraction
STEL	short-term exposure limit; a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit); measured or calculated in relation to a reference period of 8 hours
	time-weighted average (unless otherwise specified)
vap	as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

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Replaces version of: 2020-12-08 (REV 1)

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	38 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	1.045 g/cm ³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

- Acute toxicity estimate (ATE)

Inhalation: vapor 13.17 mg/l/4h

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Aluminium oxide	1344-28-1	inhalation: vapor	3 mg/l/4h
Aluminium oxide	1344-28-1	inhalation: dust/mist	>0.888 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg

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Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
Quartz (SiO ₂)	14808-60-7	1	

Legend

1 Carcinogenic to humans

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h

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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

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Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration UN1263, Paint related material, 3, III, environmentally hazardous

Reportable quantity (RQ) 4,844,961 lbs (2,199,612 kg) (naphthalene) (n-butanol)

Danger label(s) 3, fish and tree



Environmental hazards yes (hazardous to the aquatic environment)

Special provisions (SP) 367, B1, B52, B131, IB3, T2, TP1, TP29

ERG No 128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)

Danger label(s) 3, fish and tree



Special provisions (SP) 163, 223, 367, 955

Excepted quantities (EQ) E1

Limited quantities (LQ) 5 L

EmS F-E, S-E

Stowage category A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards yes (hazardous to the aquatic environment)

Danger label(s) 3



Special provisions (SP) A3, A72, A192

Excepted quantities (EQ) E1

Limited quantities (LQ) 10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings			
Name of substance	CAS No	Remarks	Effective date
Aluminium oxide	1344-28-1	fibrous forms	1986-12-31

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Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxicants CWA 303(d)
Quartz (SiO ₂)	14808-60-7		IARC Carcinogens - 1
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBTs EC Annex VI CMRs - Cat. 1B

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Quartz (SiO ₂)		1095			1.0 %
Aluminium oxide	1344-28-1				1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Quartz (SiO ₂)		A, *	

Legend

* Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
Quartz (SiO ₂)	14808-60-7		CA
Aluminium oxide	1344-28-1		
2-ethylhexanoic acid	149-57-5		

Legend

CA Carcinogenic

F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	
ALUMINUM OXIDE (AL ₂ O ₃)	1344-28-1	E

Legend

E Environmental hazard

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- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F
Quartz (SiO ₂)	14808-60-7	T
Aluminium oxide	1344-28-1	T

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions

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Category	Degree of hazard	Description
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Ex- posure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: 29 °C at 101.3 kPa	Flash point: 38 °C at 1 atm	yes
9.1	Explosive limits: not determined		yes
11.1		- Acute toxicity estimate (ATE): change in the listing (table)	yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

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Revision: 2021-05-28

Replaces version of: 2020-12-08 (REV 1)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, S-E	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes
15.1		California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.

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Code	Text
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

ZAR® Golden Sunset Stain

Version number: REV 2.0
Replaces version of: 2020-12-08 (REV 1)

Revision: 2021-05-28

SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Golden Sunset Stain

Alternative number(s)

12706; UFI: 7PWG-3NNF-J30D-2F5A
12711; UFI: YK9J-5NRX-P30U-T4HK
12712; UFI: 95KJ-SNSN-A30A-X8T1
12713; UFI: TSUJ-DNTA-X30T-3E2G

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

Sika Corporation

1396 Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

1.4 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office
hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.6	carcinogenicity	2	Carc. 2	H351
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

ZAR® Golden Sunset Stain

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Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling

Distillates (petroleum), hydrotreated light, 2-ethylhexanoic acid, ethyl methyl ketoxime, Talc (Mg3H2(SiO3)4)

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	CAS No 14807-96-6	0.05 – < 1	Acute Tox. 4 / H332 Carc. 2 / H351

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

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4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	talc	14807-96-6	PEL (CA)	1						+asb, fib/cm³	Cal/ OSHA PEL
US	talc	14807-96-6	TLV®		0.1					fib/cm³, +asb, CA-10	ACGIH® 2020
US	talc	14807-96-6	PEL		0.1		1 (30 min)			no_asb, fib/ml	29 CFR 1910.10 00

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	talc	14807-96-6	PEL (CA)		2					no_asb, r, less1silica	Cal/ OSHA PEL
US	talc	14807-96-6	PEL	706						partml, noAsb, less1Sil, r	29 CFR 1910.1000
US	talc	14807-96-6	REL		2 (10 h)					r, less1silica, no_asb	NIOSH REL
US	talc	14807-96-6	TLV®		2					r, noAsb, less1Sil	ACGIH® 2020
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2020
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2020

Notation

+asb	containing asbestos fibers
CA-10	Respirable fibers: length > 5µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450 times magnification (4-mm objective), using phase-contrast illumination.
Ceiling-C	ceiling value is a limit value above which exposure should not occur
fib/cm³	fibers/cm³
fib/ml	fibers/ml
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
iv	inhalable fraction and vapor
less1silica	with less than 1 % free crystalline silica
no_asb	containing no asbestos fibers
noAsb_less1Sil	contains no asbestos and less than 1% free crystalline silica
partml	particles/ml
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours
vap	time-weighted average (unless otherwise specified) as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

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Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	29 °C at 101.3 kPa
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	0.89 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
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Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: vapor 10.69 mg_i/4h

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Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	inhalation: dust/mist	>2.1 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans			
Name of substance	CAS No	Classification	Number
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	3	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	2B	

Legend

2B Possibly carcinogenic to humans
3 Not classifiable as to carcinogenicity in humans

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

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SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	LC50	89,581 mg/l	fish	96 h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	EC50	7,203 mg/l	algae	96 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

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12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III

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ICAO-TI	III
14.5 Environmental hazards	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light
14.6 Special precautions for user	
There is no additional information.	
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	
The cargo is not intended to be carried in bulk.	

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN1263, Paint related material, 3, III, environmentally hazardous
Reportable quantity (RQ)	3,918,495 lbs (1,778,997 kg) (naphthalene) (n-butanol)
Danger label(s)	3, fish and tree



Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	367, B1, B52, B131, IB3, T2, TP1, TP29
ERG No	128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)
Danger label(s)	3, fish and tree



Special provisions (SP)	163, 223, 367, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, <u>S-E</u>
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	3



Special provisions (SP)	A3, A72, A192
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxics CWA 303(d)
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBTs EC Annex VI CMRs - Cat. 1B

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	A, R, *	fiber

Legend

- * Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).
- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- R International Agency for Research on Cancer (IARC) Monographs on the Evaluation of the Carcinogenic Risks to Humans; Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42, Supplement 7 (1987). Available from: WHO Publications Centre USA

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	containing no asbestos fibers	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	containing asbestos fibers	CA
2-ethylhexanoic acid	149-57-5		

Legend

- CA Carcinogenic
- F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	

- Hazardous Substance List (RI-RTK)

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Name of substance	CAS No	References
Kerosene	8008-20-6	F
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	T

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
carbon black	1333-86-4	airborne, unbound particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer
Talc containing asbestiform fibers	14807-96-6	Talc containing asbestiform fibers	cancer

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions

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Category	Degree of hazard	Description
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Ex- posure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Explosive limits: not determined		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Reportable quantity (RQ): 3,918,495 lbs (1,778,997 kg) (naphthalene) (benzene)	Reportable quantity (RQ): 3,918,495 lbs (1,778,997 kg) (naphthalene) (n-butanol)	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, S-E	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

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Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Honey Maple Stain

Alternative number(s)

11706; UFI: K7YJ-GC4R-W302-7MHQ
11711; UFI: U4CM-JC88-130H-Y9VY
11712; UFI: TRMM-5C8X-P300-4F5E
11713; UFI: WAWM-SC9N-930G-8KEV
11706S; UFI: KU0K-3C89-Q30G-T3KX

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

Sika Corporation

1396 Jefferson Avenue

Dunmore PA 18509

United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

1.4 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office
hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.6	carcinogenicity	2	Carc. 2	H351
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

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2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

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SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2021
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL

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Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2021

Notation

Ceiling-C	ceiling value is a limit value above which exposure should not occur
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
iv	inhalable fraction and vapor
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours
vap	time-weighted average (unless otherwise specified as vapors)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

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Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	38 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	0.9 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: vapor 11.02 mg/l/4h

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

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Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

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12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III

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ICAO-TI	III
14.5 Environmental hazards	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light
14.6 Special precautions for user	
There is no additional information.	
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	
The cargo is not intended to be carried in bulk.	

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN1263, Paint related material, 3, III, environmentally hazardous
Reportable quantity (RQ)	4,098,361 lbs (1,860,656 kg) (naphthalene) (n-butanol)
Danger label(s)	3, fish and tree



Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	367, B1, B52, B131, IB3, T2, TP1, TP29
ERG No	128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)
Danger label(s)	3, fish and tree



Special provisions (SP)	163, 223, 367, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, <u>S-E</u>
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	3



Special provisions (SP)	A3, A72, A192
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxics CWA 303(d)
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBTs EC Annex VI CMRs - Cat. 1B

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
2-ethylhexanoic acid	149-57-5		

Legend

F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F

Legend

F Flammability (NFPA®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
carbon black	1333-86-4	airborne, unbound particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer
Talc containing asbestiform fibers	14807-96-6	Talc containing asbestiform fibers	cancer

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Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: 29 °C at 101.3 kPa	Flash point: 38 °C at 1 atm	yes
9.1	Explosive limits: not determined		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Reportable quantity (RQ): 4,098,361 lbs (1,860,656 kg) (naphthalene) (benzene)	Reportable quantity (RQ): 4,098,361 lbs (1,860,656 kg) (naphthalene) (n-butanol)	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, S-E	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Mediterranean Stain

Alternative number(s)

12206; UFI: EXE1-9HDM-7307-NHUH
12211; UFI: JVT2-CHH3-C30P-D76S
12212; UFI: YF33-YHHT-0305-HCG7
12213; UFI: W1D3-KHJG-M30N-PGRP
12206S; UFI: CHWR-FK8D-Y305-1K08

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

Sika Corporation

1396 Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

1.4 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

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Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling	Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene
---------------------------------------	--

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
 May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
 Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Titanium dioxide	CAS No 13463-67-7	1 – < 5	Carc. 2 / H351
Quartz (SiO ₂)	CAS No 14808-60-7	0.05 – < 1	Carc. 1A / H350
Aluminium oxide	CAS No 1344-28-1	0.05 – < 1	Acute Tox. 3 / H331
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Carbon black	CAS No 1333-86-4	0.05 – < 1	Carc. 1A / H350
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

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Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

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Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	calcium carbonate	1317-65-3	REL		10 (10 h)					i, natural	NIOSH REL
US	calcium carbonate	1317-65-3	REL		5 (10 h)					r, natural	NIOSH REL
US	limestone	1317-65-3	REL		10 (10 h)					i	NIOSH REL
US	limestone	1317-65-3	REL		5 (10 h)					r	NIOSH REL
US	limestone (calcium carbonate)	1317-65-3	PEL		15					i, dust	29 CFR 1910.1000
US	limestone (calcium carbonate)	1317-65-3	PEL		5					r, dust	29 CFR 1910.1000
US	carbon black	1333-86-4	PEL (CA)		3.5						Cal/ OSHA PEL
US	carbon black	1333-86-4	PEL		3.5						29 CFR 1910.1000
US	carbon black	1333-86-4	REL		3.5 (10 h)					appx-A, appx-C	NIOSH REL
US	carbon black	1333-86-4	TLV®		3					i	ACGIH® 2021
US	Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)	1333-86-4	REL		0.1 (10 h)					PAHs, appx-A, appx-C	NIOSH REL
US	alpha-Alumina	1344-28-1	REL							appx-D	NIOSH REL
US	alpha-alumina	1344-28-1	PEL		15					i, dust	29 CFR 1910.1000
US	alpha-alumina	1344-28-1	PEL		5					r, dust	29 CFR 1910.1000
US	aluminium, insoluble compounds	1344-28-1	TLV®		1					r	ACGIH® 2021
US	aluminium oxide	1344-28-1	PEL (CA)		10					dust	Cal/ OSHA PEL
US	aluminium oxide	1344-28-1	PEL (CA)		5					r	Cal/ OSHA PEL

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	titanium dioxide	13463-67-7	TLV®		10						ACGIH® 2021
US	titanium dioxide	13463-67-7	PEL		15					i, dust	29 CFR 1910.1000
US	titanium dioxide	13463-67-7	REL							lowest, appx-A	NIOSH REL
US	quartz	14808-60-7	PEL (CA)		0.05					r	Cal/ OSHA PEL
US	silica, crystalline - quartz	14808-60-7	PEL		0.05					r	29 CFR 1910.1000
US	silica, crystalline - quartz	14808-60-7	REL		0.05 (10 h)					r, appx-A	NIOSH REL
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2021
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2021

Notation

appx-A	NIOSH Potential Occupational Carcinogen (Appendix A)
appx-C	Appendix C - Supplementary Exposure Limits
appx-D	see Appendix D - Substances with No Established RELs
Ceiling-C	ceiling value is a limit value above which exposure should not occur
dust	as dust
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
lowest	exposure by all routes should be carefully controlled to levels as low as possible
natural	natural
PAHs	as polycyclic aromatic hydrocarbons (PAHs)
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours
	time-weighted average (unless otherwise specified)
vap	as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

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Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	38 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	1.02 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
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Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: vapor 12.64 mg/l/4h

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Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Aluminium oxide	1344-28-1	inhalation: vapor	3 mg/l/4h
Aluminium oxide	1344-28-1	inhalation: dust/mist	>0.888 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
Quartz (SiO ₂)	14808-60-7	1	
Titanium dioxide	13463-67-7	2B	
Carbon black	1333-86-4	2B	

Legend

1 Carcinogenic to humans

2B Possibly carcinogenic to humans

National Toxicology Program (United States): Report on Carcinogens

Name of substance	CAS No	Classification	Number
Carbon black	1333-86-4	Known to be human carcinogens	1st Report on Carcinogens

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

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Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
Carbon black	1333-86-4	EC50	>5,600 mg/l	aquatic invertebrates	24 h
Carbon black	1333-86-4	ErC50	>10,000 mg/l	algae	72 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d

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Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

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14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN1263, Paint related material, 3, III, environmentally hazardous
Reportable quantity (RQ)	4,545,455 lbs (2,063,636 kg) (naphthalene) (arsenic)
Danger label(s)	3, fish and tree



Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	367, B1, B52, B131, IB3, T2, TP1, TP29
ERG No	128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)
Danger label(s)	3, fish and tree



Special provisions (SP)	163, 223, 367, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, <u>S-E</u>
Stowage category	A

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International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards yes (hazardous to the aquatic environment)

Danger label(s) 3



Special provisions (SP) A3, A72, A192

Excepted quantities (EQ) E1

Limited quantities (LQ) 10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings			
Name of substance	CAS No	Remarks	Effective date
Aluminium oxide	1344-28-1	fibrous forms	1986-12-31

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxicants CWA 303(d)
Titanium dioxide	13463-67-7		IARC Carcinogens - 2B Prop 65
Quartz (SiO ₂)	14808-60-7		IARC Carcinogens - 1
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBTs EC Annex VI CMRs - Cat. 1B
Carbon black	1333-86-4		IARC Carcinogens - 2B Prop 65

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Quartz (SiO ₂)		1095			1.0 %
Aluminium oxide	1344-28-1				1.0 %

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- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Quartz (SiO ₂)		A, *	
Titanium dioxide	13463-67-7	A	
Carbon black	1333-86-4	A, N, O, R, *	

Legend

- * Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).
- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division
- R International Agency for Research on Cancer (IARC) Monographs on the Evaluation of the Carcinogenic Risks to Humans; Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42, Supplement 7 (1987). Available from: WHO Publications Centre USA

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
Quartz (SiO ₂)	14808-60-7		CA
Titanium dioxide	13463-67-7		
Carbon black	1333-86-4		CA
Aluminium oxide	1344-28-1		
2-ethylhexanoic acid	149-57-5		

Legend

- CA Carcinogenic
- F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	
TITANIUM OXIDE (TiO ₂)	13463-67-7	
SOOT		S
ALUMINUM OXIDE (Al ₂ O ₃)	1344-28-1	E

Legend

- E Environmental hazard
- S Special hazardous substance

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- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F
Quartz (SiO ₂)	14808-60-7	T
Titanium dioxide	13463-67-7	T
Carbon black	1333-86-4	T
Aluminium oxide	1344-28-1	T

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
titanium dioxide	13463-67-7	airborne, unbound particles of respirable size	cancer
carbon black	1333-86-4	airborne, unbound particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer
cobalt	7440-48-4	metal powder	cancer
mercury	7439-97-6		developmental
cadmium	7440-43-9		developmental, male
cadmium	7440-43-9		cancer
cadmium	7440-43-9		

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur

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Category	Rating	Description
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Ex- posure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: 29 °C at 101.3 kPa	Flash point: 38 °C at 1 atm	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
9.1	Explosive limits: not determined		yes
11.1		- Acute toxicity estimate (ATE): change in the listing (table)	yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Reportable quantity (RQ): 4,545,455 lbs (2,063,636 kg) (naphthalene) (benzene)	Reportable quantity (RQ): 4,545,455 lbs (2,063,636 kg) (naphthalene) (arsenic)	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, <u>S-E</u>	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

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Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

Safety Data Sheet

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Mink Stain

Alternative number(s)

12806; UFI: Y6MD-FPW7-E307-X7EG
12811; UFI: V40F-JP0Q-J30N-PWSR
12812; UFI: 1Q8F-5P1E-6305-U226
12813; UFI: D9JF-SP23-T30N-Y6AN

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

2 Sika Corporation

1396 Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

2.1 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

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- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling

Distillates (petroleum), hydrotreated light, 2-ethylhexanoic acid, ethyl methyl ketoxime, Kerosene

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	CAS No 14807-96-6	1 – < 5	Acute Tox. 4 / H332 Carc. 2 / H351
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Quartz (SiO ₂)	CAS No 14808-60-7	0.05 – < 1	Carc. 1A / H350
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
Carbon black	CAS No 1333-86-4	0.05 – < 1	Carc. 1A / H350

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

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Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

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Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	carbon black	1333-86-4	PEL (CA)		3.5						Cal/ OSHA PEL
US	carbon black	1333-86-4	PEL		3.5						29 CFR 1910.10 00
US	carbon black	1333-86-4	REL		3.5 (10 h)					appx-A, appx-C	NIOSH REL
US	carbon black	1333-86-4	TLV®		3					i	ACGIH® 2021
US	Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)	1333-86-4	REL		0.1 (10 h)					PAHs, appx-A, appx-C	NIOSH REL
US	talc	14807-96-6	PEL (CA)	1						+asb, fib/cm³	Cal/ OSHA PEL
US	talc	14807-96-6	TLV®		0.1					fib/cm³, +asb, CA-10	ACGIH® 2021
US	talc	14807-96-6	PEL		0.1		1 (30 min)			no_asb, fib/ml	29 CFR 1910.10 00
US	talc	14807-96-6	PEL (CA)		2					no_asb, r, less1 silica	Cal/ OSHA PEL
US	talc	14807-96-6	PEL	706						partml, noAsb, less1Sil, r	29 CFR 1910.10 00
US	talc	14807-96-6	REL		2 (10 h)					r, less1 silica, no_asb	NIOSH REL
US	talc	14807-96-6	TLV®		2					r, noAsb, less1Sil	ACGIH® 2021
US	quartz	14808-60-7	PEL (CA)		0.05					r	Cal/ OSHA PEL
US	silica, crystalline - quartz	14808-60-7	PEL		0.05					r	29 CFR 1910.10 00
US	silica, crystalline - quartz	14808-60-7	REL		0.05 (10 h)					r, appx-A	NIOSH REL
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2021
US	magnesite	546-93-0	REL		10 (10 h)					i	NIOSH REL

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	magnesite	546-93-0	PEL		15					i, dust	29 CFR 1910.1000
US	magnesite	546-93-0	REL		5 (10 h)					r	NIOSH REL
US	magnesite	546-93-0	PEL		5					r, dust	29 CFR 1910.1000
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2021

Notation

+asb	containing asbestos fibers
appx-A	NIOSH Potential Occupational Carcinogen (Appendix A)
appx-C	Appendix C - Supplementary Exposure Limits
CA-10	Respirable fibers: length > 5µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450 times magnification (4-mm objective), using phase-contrast illumination.
Ceiling-C	ceiling value is a limit value above which exposure should not occur
dust	as dust
fib/cm³	fibers/cm³
fib/ml	fibers/ml
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
less1silica	with less than 1 % free crystalline silica
no_asb	containing no asbestos fibers
noAsb_less1	contains no asbestos and less than 1% free crystalline silica
Sil	
PAHs	as polycyclic aromatic hydrocarbons (PAHs)
part/ml	particles/ml
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours
	time-weighted average (unless otherwise specified)
vap	as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	38 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	0.937 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
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Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: vapor 11.74 mg_i/4h

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Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	inhalation: dust/mist	>2.1 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans			
Name of substance	CAS No	Classification	Number
Quartz (SiO ₂)	14808-60-7	1	
Carbon black	1333-86-4	2B	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	3	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	2B	

Legend

- 1 Carcinogenic to humans
- 2B Possibly carcinogenic to humans
- 3 Not classifiable as to carcinogenicity in humans

National Toxicology Program (United States): Report on Carcinogens			
Name of substance	CAS No	Classification	Number
Carbon black	1333-86-4	Known to be human carcinogens	1st Report on Carcinogens

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

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Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	LC50	89,581 mg/l	fish	96 h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	EC50	7,203 mg/l	algae	96 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
Carbon black	1333-86-4	EC50	>5,600 mg/l	aquatic invertebrates	24 h
Carbon black	1333-86-4	ErC50	>10,000 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d

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Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT UN 1263

IMDG-Code UN 1263

ICAO-TI UN 1263

14.2 UN proper shipping name

DOT Paint related material

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IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material
14.3 Transport hazard class(es)	
DOT	3
IMDG-Code	3
ICAO-TI	3
14.4 Packing group	
DOT	III
IMDG-Code	III
ICAO-TI	III
14.5 Environmental hazards	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light
14.6 Special precautions for user	
There is no additional information.	
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	
The cargo is not intended to be carried in bulk.	

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN1263, Paint related material, 3, III, environmentally hazardous
Reportable quantity (RQ)	4,409,171 lbs (2,001,764 kg) (naphthalene) (n-butanol)
Danger label(s)	3, fish and tree



Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	367, B1, B52, B131, IB3, T2, TP1, TP29
ERG No	128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)
Danger label(s)	3, fish and tree



Special provisions (SP)	163, 223, 367, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, <u>S-E</u>
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards yes (hazardous to the aquatic environment)

Danger label(s) 3



Special provisions (SP) A3, A72, A192

Excepted quantities (EQ) E1

Limited quantities (LQ) 10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxicants CWA 303(d)
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBITs EC Annex VI CMRs - Cat. 1B
Quartz (SiO ₂)	14808-60-7		IARC Carcinogens - 1
Carbon black	1333-86-4		IARC Carcinogens - 2B Prop 65

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Quartz (SiO ₂)		1095			1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Quartz (SiO ₂)		A, *	
Carbon black	1333-86-4	A, N, O, R, *	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	A, O	fiber
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	A, R, *	fiber

Legend

- * Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).
- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division

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Legend

R International Agency for Research on Cancer (IARC) Monographs on the Evaluation of the Carcinogenic Risks to Humans; Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42, Supplement 7 (1987). Available from: WHO Publications Centre USA

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
Quartz (SiO ₂)	14808-60-7		CA
Carbon black	1333-86-4		CA
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	containing no asbestos fibers	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	containing asbestos fibers	CA
2-ethylhexanoic acid	149-57-5		

Legend

CA Carcinogenic
F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	
SOOT		S
TALC (MG ₃ H ₂ (SIO ₃) ₄)	14807-96-6	

Legend

S Special hazardous substance

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F
Quartz (SiO ₂)	14808-60-7	T
Carbon black	1333-86-4	T
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	T

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer

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Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
carbon black	1333-86-4	airborne, unbound particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer
Talc containing asbestiform fibers	14807-96-6	Talc containing asbestiform fibers	cancer

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Ex- posure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: 29 °C at 101.3 kPa	Flash point: 38 °C at 1 atm	yes
9.1	Explosive limits: not determined		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Reportable quantity (RQ): 4,409,171 lbs (2,001,764 kg) (naphthalene) (benzene)	Reportable quantity (RQ): 4,409,171 lbs (2,001,764 kg) (naphthalene) (n-butanol)	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	EmS: F-E, S-D	EmS: F-E, <u>S</u> -E	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.

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Code	Text
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Mocha Stain

Alternative number(s)

11906; UFI: YACC-6EN9-M30R-0621
11911; UFI: X7RD-8ERS-S305-RVE9
11912; UFI: MT0E-VESG-D30P-V0PR
11913; UFI: FE9E-GET6-1305-14Y6
11906S; UFI: UXDC-TERU-F304-JP48

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

2 Sika Corporation

1396 Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

2.1 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office
hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

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Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling	Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene
---------------------------------------	--

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
 May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
 Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Titanium dioxide	CAS No 13463-67-7	1 – < 5	Carc. 2 / H351
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	CAS No 14807-96-6	1 – < 5	Acute Tox. 4 / H332 Carc. 2 / H351
Quartz (SiO ₂)	CAS No 14808-60-7	0.05 – < 1	Carc. 1A / H350
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
Carbon black	CAS No 1333-86-4	0.05 – < 1	Carc. 1A / H350
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

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Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

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Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	calcium carbonate	1317-65-3	REL		10 (10 h)					i, natural	NIOSH REL
US	calcium carbonate	1317-65-3	REL		5 (10 h)					r, natural	NIOSH REL
US	limestone	1317-65-3	REL		10 (10 h)					i	NIOSH REL
US	limestone	1317-65-3	REL		5 (10 h)					r	NIOSH REL
US	limestone (calcium carbonate)	1317-65-3	PEL		15					i, dust	29 CFR 1910.1000
US	limestone (calcium carbonate)	1317-65-3	PEL		5					r, dust	29 CFR 1910.1000
US	carbon black	1333-86-4	PEL (CA)		3.5						Cal/ OSHA PEL
US	carbon black	1333-86-4	PEL		3.5						29 CFR 1910.1000
US	carbon black	1333-86-4	REL		3.5 (10 h)					appx-A, appx-C	NIOSH REL
US	carbon black	1333-86-4	TLV®		3					i	ACGIH® 2020
US	Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)	1333-86-4	REL		0.1 (10 h)					PAHs, appx-A, appx-C	NIOSH REL
US	titanium dioxide	13463-67-7	TLV®		10						ACGIH® 2020
US	titanium dioxide	13463-67-7	PEL		15					i, dust	29 CFR 1910.1000
US	titanium dioxide	13463-67-7	REL							lowest, appx-A	NIOSH REL
US	talc	14807-96-6	PEL (CA)	1						+asb, fib/cm³	Cal/ OSHA PEL
US	talc	14807-96-6	TLV®		0.1					fib/cm³, +asb, CA-10	ACGIH® 2020
US	talc	14807-96-6	PEL		0.1		1 (30 min)			no_asb, fib/ml	29 CFR 1910.1000

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	talc	14807-96-6	PEL (CA)		2					no_asb, r, less1silica	Cal/ OSHA PEL
US	talc	14807-96-6	PEL	706						partml, noAsb, less1Sil, r	29 CFR 1910.1000
US	talc	14807-96-6	REL		2 (10 h)					r, less1silica, no_asb	NIOSH REL
US	talc	14807-96-6	TLV®		2					r, noAsb, less1Sil	ACGIH® 2020
US	quartz	14808-60-7	PEL (CA)		0.05					r	Cal/ OSHA PEL
US	silica, crystalline - quartz	14808-60-7	PEL		0.05					r	29 CFR 1910.1000
US	silica, crystalline - quartz	14808-60-7	REL		0.05 (10 h)					r, appx-A	NIOSH REL
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2020
US	magnesite	546-93-0	REL		10 (10 h)					i	NIOSH REL
US	magnesite	546-93-0	PEL		15					i, dust	29 CFR 1910.1000
US	magnesite	546-93-0	REL		5 (10 h)					r	NIOSH REL
US	magnesite	546-93-0	PEL		5					r, dust	29 CFR 1910.1000
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2020

Notation

+asb	containing asbestos fibers
appx-A	NIOSH Potential Occupational Carcinogen (Appendix A)
appx-C	Appendix C - Supplementary Exposure Limits
CA-10	Respirable fibers: length > 5µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450 times magnification (4-mm objective), using phase-contrast illumination.
Ceiling-C	ceiling value is a limit value above which exposure should not occur
dust	as dust
fib/cm³	fibers/cm³
fib/ml	fibers/ml

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Notation

H	absorbed through the skin
HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
less1silica	with less than 1 % free crystalline silica
lowest	exposure by all routes should be carefully controlled to levels as low as possible
natural	natural
no_asb	containing no asbestos fibers
noAsb_less1	contains no asbestos and less than 1% free crystalline silica
Sil	
PAHs	as polycyclic aromatic hydrocarbons (PAHs)
partml	particles/ml
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit); measured or calculated in relation to a reference period of 8 hours
	time-weighted average (unless otherwise specified)
vap	as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

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Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	29 °C at 101.3 kPa
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	1.037 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: vapor 13.51 mg/l/4h

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	inhalation: dust/mist	>2.1 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

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IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
Quartz (SiO ₂)	14808-60-7	1	
Titanium dioxide	13463-67-7	2B	
Carbon black	1333-86-4	2B	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	3	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	2B	

Legend

- 1 Carcinogenic to humans
- 2B Possibly carcinogenic to humans
- 3 Not classifiable as to carcinogenicity in humans

National Toxicology Program (United States): Report on Carcinogens

Name of substance	CAS No	Classification	Number
Carbon black	1333-86-4	Known to be human carcinogens	1st Report on Carcinogens

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	LC50	89,581 mg/l	fish	96 h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	EC50	7,203 mg/l	algae	96 h

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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
Carbon black	1333-86-4	EC50	>5,600 mg/l	aquatic invertebrates	24 h
Carbon black	1333-86-4	ErC50	>10,000 mg/l	algae	72 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

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Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN1263, Paint related material, 3, III, environmentally hazardous
Reportable quantity (RQ)	4,629,630 lbs (2,101,852 kg) (naphthalene) (n-butanol)
Danger label(s)	3, fish and tree



Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	367, B1, B52, B131, IB3, T2, TP1, TP29
ERG No	128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)
Danger label(s)	3, fish and tree



Special provisions (SP)	163, 223, 367, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, S-E
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	3



Special provisions (SP)	A3, A72, A192
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

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Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxicants CWA 303(d)
Titanium dioxide	13463-67-7		IARC Carcinogens - 2B Prop 65
Quartz (SiO ₂)	14808-60-7		IARC Carcinogens - 1
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBITs EC Annex VI CMRs - Cat. 1B
Carbon black	1333-86-4		IARC Carcinogens - 2B Prop 65

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Quartz (SiO ₂)		1095			1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Quartz (SiO ₂)		A, *	
Titanium dioxide	13463-67-7	A	
Carbon black	1333-86-4	A, N, O, R, *	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	A, O	fiber
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	A, R, *	fiber

Legend

- * Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).
- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division
- R International Agency for Research on Cancer (IARC) Monographs on the Evaluation of the Carcinogenic Risks to Humans; Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42, Supplement 7 (1987). Available from: WHO Publications Centre USA

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
Quartz (SiO ₂)	14808-60-7		CA
Titanium dioxide	13463-67-7		
Carbon black	1333-86-4		CA
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	containing no asbestos fibers	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	containing asbestos fibers	CA

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Name of substance	CAS No	Remarks	Classifications
2-ethylhexanoic acid	149-57-5		

Legend

CA Carcinogenic

F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	
TITANIUM OXIDE (TiO ₂)	13463-67-7	
SOOT		S
TALC (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	

Legend

S Special hazardous substance

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F
Quartz (SiO ₂)	14808-60-7	T
Titanium dioxide	13463-67-7	T
Carbon black	1333-86-4	T
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	T

Legend

F Flammability (NFPA®)

T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
titanium dioxide	13463-67-7	airborne, unbound particles of respirable size	cancer
carbon black	1333-86-4	airborne, unbound particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer
Talc containing asbestiform fibers	14807-96-6	Talc containing asbestiform fibers	cancer

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Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.2	- Hazardous ingredients for labelling: Quartz (SiO ₂), Distillates (petroleum), hydro- treated light, ethyl methyl ketoxime, 2-ethylhex- anoic acid	- Hazardous ingredients for labelling: Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Explosive limits: not determined		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, <u>S-E</u>	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

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Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Premium Teak Stain

Alternative number(s)

12006; UFI: YACC-6EN9-M30R-0621
12011; UFI: X7RD-8ERS-S305-RVE9
12012; UFI: MT0E-VESG-D30P-V0PR
12013; UFI: FE9E-GET6-1305-14Y6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

2 Sika Corporation

Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

2.1 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

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- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling

Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

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Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	CAS No 14807-96-6	1 – < 5	Acute Tox. 4 / H332 Carc. 2 / H351
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Quartz (SiO ₂)	CAS No 14808-60-7	0.05 – < 1	Carc. 1A / H350
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

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SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	talc	14807-96-6	PEL (CA)	1						+asb, fib/cm³	Cal/ OSHA PEL
US	talc	14807-96-6	TLV®		0.1					fib/cm³, +asb, CA-10	ACGIH® 2021
US	talc	14807-96-6	PEL		0.1		1 (30 min)			no_asb, fib/ml	29 CFR 1910.10 00

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acc. to 29 CFR 1910.1200 App D

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	talc	14807-96-6	PEL (CA)		2					no_asb, r, less1silica	Cal/ OSHA PEL
US	talc	14807-96-6	PEL	706						partml, noAsb, less1Sil, r	29 CFR 1910.1000
US	talc	14807-96-6	REL		2 (10 h)					r, less1silica, no_asb	NIOSH REL
US	talc	14807-96-6	TLV®		2					r, noAsb, less1Sil	ACGIH® 2021
US	quartz	14808-60-7	PEL (CA)		0.05					r	Cal/ OSHA PEL
US	silica, crystalline - quartz	14808-60-7	PEL		0.05					r	29 CFR 1910.1000
US	silica, crystalline - quartz	14808-60-7	REL		0.05 (10 h)					r, appx-A	NIOSH REL
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2021
US	magnesite	546-93-0	REL		10 (10 h)					i	NIOSH REL
US	magnesite	546-93-0	PEL		15					i, dust	29 CFR 1910.1000
US	magnesite	546-93-0	REL		5 (10 h)					r	NIOSH REL
US	magnesite	546-93-0	PEL		5					r, dust	29 CFR 1910.1000
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2021

Notation

+asb	containing asbestos fibers
appx-A	NIOSH Potential Occupational Carcinogen (Appendix A)
CA-10	Respirable fibers: length > 5µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450 times magnification (4-mm objective), using phase-contrast illumination.
Ceiling-C	ceiling value is a limit value above which exposure should not occur
dust	as dust
fib/cm³	fibers/cm³
fib/ml	fibers/ml
H	absorbed through the skin

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Notation

HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
less1silica	with less than 1 % free crystalline silica
no_asb	containing no asbestos fibers
noAsb_less1	contains no asbestos and less than 1% free crystalline silica
Sil	
partml	particles/ml
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours
	time-weighted average (unless otherwise specified)
vap	as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

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Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	38 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	0.96 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: vapor 11.96 mg/l/4h

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	inhalation: dust/mist	>2.1 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

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IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
Quartz (SiO ₂)	14808-60-7	1	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	3	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	2B	

Legend

- 1 Carcinogenic to humans
- 2B Possibly carcinogenic to humans
- 3 Not classifiable as to carcinogenicity in humans

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	LC50	89,581 mg/l	fish	96 h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	EC50	7,203 mg/l	algae	96 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h

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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

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Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN1263, Paint related material, 3, III, environmentally hazardous
Reportable quantity (RQ)	4,244,482 lbs (1,926,995 kg) (naphthalene) (n-butanol)
Danger label(s)	3, fish and tree




Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	367, B1, B52, B131, IB3, T2, TP1, TP29
ERG No	128

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International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	YES (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)
Danger label(s)	3, fish and tree
	
Special provisions (SP)	163, 223, 367, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, <u>S-E</u>
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards	YES (hazardous to the aquatic environment)
Danger label(s)	3
	
Special provisions (SP)	A3, A72, A192
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxics CWA 303(d)
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBTs EC Annex VI CMRs - Cat. 1B
Quartz (SiO ₂)	14808-60-7		IARC Carcinogens - 1

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Quartz (SiO ₂)		1095			1.0 %

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- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Quartz (SiO ₂)		A, *	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	A, O	fiber
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	A, R, *	fiber

Legend

- * Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).
- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division
- R International Agency for Research on Cancer (IARC) Monographs on the Evaluation of the Carcinogenic Risks to Humans; Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42, Supplement 7 (1987). Available from: WHO Publications Centre USA

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
Quartz (SiO ₂)	14808-60-7		CA
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	containing no asbestos fibers	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	containing asbestos fibers	CA
2-ethylhexanoic acid	149-57-5		

Legend

- CA Carcinogenic
- F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	
TALC (MG ₃ H ₂ (SIO ₃) ₄)	14807-96-6	

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F
Quartz (SiO ₂)	14808-60-7	T
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	T

Legend

- F Flammability (NFPA®)
- T Toxicity (ACGIH®)

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California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
carbon black	1333-86-4	airborne, unbound particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer
Talc containing asbestiform fibers	14807-96-6	Talc containing asbestiform fibers	cancer

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Ex- posure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: 29 °C at 101.3 kPa	Flash point: 38 °C at 1 atm	yes
9.1	Explosive limits: not determined		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Reportable quantity (RQ): 4,244,482 lbs (1,926,995 kg) (naphthalene) (benzene)	Reportable quantity (RQ): 4,244,482 lbs (1,926,995 kg) (naphthalene) (n-butanol)	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes

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acc. to 29 CFR 1910.1200 App D

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	EmS: F-E, S-D	EmS: F-E, <u>S</u> -E	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.

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Code	Text
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet

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SECTION 1: Identification

1.1 Product identifier

Trade name

ZAR® Rosewood Stain

Alternative number(s)

12406; UFI: S1UT-0JW4-X30W-E3CU
12411; UFI: RY6V-3J0N-330A-5SR3
12412; UFI: NJGV-QJ1A-Q30T-9X0J
12413; UFI: 54SV-AJ21-C30A-F290
12406S; UFI: 0NVT-NJ0P-S309-YKF2

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stains, Interior
paint related material

1.3 Details of the supplier of the safety data sheet

2 Sika Corporation

1396 Jefferson Avenue
Dunmore PA 18509
United States

Telephone: +1 (570) 344-1202

Telefax: (570) 969-7634

e-mail:

retailorders@us.sika.com

Website: <http://www.zar.com/>

e-mail (competent person)

ehs@sika-corp.com

2.1 Emergency telephone number

Emergency information service

1-800-424-9300 Chemtrec (NORTH AMERICA)
Emergency telephone number: outside office
hours

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.7	reproductive toxicity	2	Repr. 2	H361d
A.10	aspiration hazard	1	Asp. Tox. 1	H304
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

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Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling	Distillates (petroleum), hydrotreated light, ethyl methyl ketoxime, 2-ethylhexanoic acid, Kerosene
---------------------------------------	--

2.3 Other hazards

Hazards not otherwise classified

Contains ethyl methyl ketoxime. May produce an allergic reaction.
 May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
 Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	25 – < 50	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Kerosene	CAS No 8008-20-6	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
Quartz (SiO ₂)	CAS No 14808-60-7	0.05 – < 1	Carc. 1A / H350
Aluminium oxide	CAS No 1344-28-1	0.05 – < 1	Acute Tox. 3 / H331
Naphtha (petroleum), hydro-treated heavy	CAS No 64742-48-9	0.05 – < 1	Acute Tox. 3 / H331 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
ethyl methyl ketoxime	CAS No 96-29-7	0.05 – < 1	Acute Tox. 4 / H312 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 2 / H351 Flam. Liq. 4 / H227
2-ethylhexanoic acid	CAS No 149-57-5	0.05 – < 1	Repr. 2 / H361d

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	diiron trioxide (iron(III) oxide)	1309-37-1	TLV®		5					r	ACGIH® 2021
US	iron(III) oxide	1309-37-1	PEL (CA)		5					fume	Cal/ OSHA PEL

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	iron(III) oxide	1309-37-1	PEL		10					fume	29 CFR 1910.1000
US	iron(III) oxide (diiron trioxide)	1309-37-1	REL		5 (10 h)					df, Fe	NIOSH REL
US	rouge	1309-37-1	REL							appx-D	NIOSH REL
US	rouge	1309-37-1	PEL		15					i, dust	29 CFR 1910.1000
US	rouge	1309-37-1	PEL		5					r, dust	29 CFR 1910.1000
US	calcium carbonate	1317-65-3	REL		10 (10 h)					i, natural	NIOSH REL
US	calcium carbonate	1317-65-3	REL		5 (10 h)					r, natural	NIOSH REL
US	limestone	1317-65-3	REL		10 (10 h)					i	NIOSH REL
US	limestone	1317-65-3	REL		5 (10 h)					r	NIOSH REL
US	limestone (calcium carbonate)	1317-65-3	PEL		15					i, dust	29 CFR 1910.1000
US	limestone (calcium carbonate)	1317-65-3	PEL		5					r, dust	29 CFR 1910.1000
US	alpha-Alumina	1344-28-1	REL							appx-D	NIOSH REL
US	alpha-alumina	1344-28-1	PEL		15					i, dust	29 CFR 1910.1000
US	alpha-alumina	1344-28-1	PEL		5					r, dust	29 CFR 1910.1000
US	aluminium, insoluble compounds	1344-28-1	TLV®		1					r	ACGIH® 2021
US	aluminium oxide	1344-28-1	PEL (CA)		10					dust	Cal/ OSHA PEL
US	aluminium oxide	1344-28-1	PEL (CA)		5					r	Cal/ OSHA PEL
US	quartz	14808-60-7	PEL (CA)		0.05					r	Cal/ OSHA PEL

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	silica, crystalline - quartz	14808-60-7	PEL		0.05					r	29 CFR 1910.1000
US	silica, crystalline - quartz	14808-60-7	REL		0.05 (10 h)					r, appx-A	NIOSH REL
US	2-ethylhexanoic acid	149-57-5	TLV®		5					iv	ACGIH® 2021
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	Kerosine (petroleum)	8008-20-6	REL		100 (10 h)						NIOSH REL
US	Kerosine (petroleum) (jet fuels, JP 5)	8008-20-6	TLV®		200					vap, Hy-Carb, H	ACGIH® 2021

Notation

appx-A	NIOSH Potential Occupational Carcinogen (Appendix A)
appx-D	see Appendix D - Substances with No Established RELs
Ceiling-C	ceiling value is a limit value above which exposure should not occur
df	as dust and fumes
dust	as dust
Fe	calculated as Fe (iron)
fume	as fume
H	absorbed through the skin
HyCarb	calculated as hydrocarbons
i	inhalable fraction
iv	inhalable fraction and vapor
natural	natural
r	respirable fraction
STEL	short-term exposure limit; a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours
	time-weighted average (unless otherwise specified)
vap	as vapors

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

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Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥146 °C at 101.3 kPa
Flash point	38 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤3.7 kPa at 37.8 °C
Density	1.02 g/cm³ at 20 °C
Vapor density	this information is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	220 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: vapor 12.64 mg/l/4h

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Distillates (petroleum), hydrotreated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
Kerosene	8008-20-6	inhalation: vapor	>5.28 mg/l/4h
Aluminium oxide	1344-28-1	inhalation: vapor	3 mg/l/4h
Aluminium oxide	1344-28-1	inhalation: dust/mist	>0.888 mg/l/4h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	inhalation: vapor	>9.3 mg/l/4h

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Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
ethyl methyl ketoxime	96-29-7	dermal	>1,000 mg/kg
ethyl methyl ketoxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
Quartz (SiO ₂)	14808-60-7	1	

Legend

1 Carcinogenic to humans

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	LL50	5 mg/l	fish	96 h
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	1.4 mg/l	aquatic invertebrates	48 h

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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Kerosene	8008-20-6	LL50	5 mg/l	fish	96 h
Kerosene	8008-20-6	EL50	1.4 mg/l	aquatic invertebrates	48 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	>1,000 mg/l	fish	24 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	>1,000 mg/l	aquatic invertebrates	24 h
ethyl methyl ketoxime	96-29-7	LC50	>100 mg/l	fish	96 h
ethyl methyl ketoxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
ethyl methyl ketoxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
2-ethylhexanoic acid	149-57-5	LC50	>100 mg/l	fish	96 h
2-ethylhexanoic acid	149-57-5	ErC50	49.3 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Distillates (petroleum), hydrotreated light	64742-47-8	EL50	0.89 mg/l	aquatic invertebrates	21 d
Kerosene	8008-20-6	EL50	0.89 mg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
ethyl methyl ketoxime	96-29-7	EC50	≥100 mg/l	aquatic invertebrates	21 d
2-ethylhexanoic acid	149-57-5	EC50	75 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

DOT	Paint related material
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

DOT	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Distillates (petroleum), hydrotreated light

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

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Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration UN1263, Paint related material, 3, III, environmentally hazardous

Reportable quantity (RQ) 4,545,455 lbs (2,063,636 kg) (naphthalene) (n-butanol)

Danger label(s) 3, fish and tree



Environmental hazards yes (hazardous to the aquatic environment)

Special provisions (SP) 367, B1, B52, B131, IB3, T2, TP1, TP29

ERG No 128

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)

Danger label(s) 3, fish and tree



Special provisions (SP) 163, 223, 367, 955

Excepted quantities (EQ) E1

Limited quantities (LQ) 5 L

EmS F-E, S-E

Stowage category A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards yes (hazardous to the aquatic environment)

Danger label(s) 3



Special provisions (SP) A3, A72, A192

Excepted quantities (EQ) E1

Limited quantities (LQ) 10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings			
Name of substance	CAS No	Remarks	Effective date
Aluminium oxide	1344-28-1	fibrous forms	1986-12-31

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Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Kerosene	8008-20-6		ATSDR Neurotoxicants CWA 303(d)
Quartz (SiO ₂)	14808-60-7		IARC Carcinogens - 1
Naphtha (petroleum), hydrotreated heavy	64742-48-9		Canada PBTs EC Annex VI CMRs - Cat. 1B

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Quartz (SiO ₂)		1095			1.0 %
Aluminium oxide	1344-28-1				1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Quartz (SiO ₂)		A, *	

Legend

* Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Kerosene	8008-20-6		F2
Quartz (SiO ₂)	14808-60-7		CA
Aluminium oxide	1344-28-1		
2-ethylhexanoic acid	149-57-5		

Legend

CA Carcinogenic

F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
KEROSINE (PETROLEUM)	8008-20-6	
ALUMINUM OXIDE (AL ₂ O ₃)	1344-28-1	E

Legend

E Environmental hazard

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- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Kerosene	8008-20-6	F
Quartz (SiO ₂)	14808-60-7	T
Aluminium oxide	1344-28-1	T

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
naphthalene	91-20-3		cancer
silica, crystalline		airborne particles of respirable size	cancer
nickel	7440-02-0	metallic	cancer
nickel	7440-02-0	Nickel refinery dust from the pyrometallurgical process	cancer
cobalt	7440-48-4	metal powder	cancer
mercury	7439-97-6		developmental
cadmium	7440-43-9		developmental, male
cadmium	7440-43-9		cancer
cadmium	7440-43-9		

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

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Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2	Relevant identified uses: General use	Relevant identified uses: Stains, Interior paint related material	yes
1.3	e-mail (competent person): crossley.robin@us.sika.com	e-mail (competent person): ehs@sika-corp.com	yes
1.4	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM	Emergency information service: 1-800-424-9300 Chemtrec (NORTH AMERICA) Emergency telephone number: outside office hours	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Occupational exposure limit values (Workplace Ex- posure Limits): change in the listing (table)	yes
9.1	Color: various	Color: not determined	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: 29 °C at 101.3 kPa	Flash point: 38 °C at 1 atm	yes
9.1	Explosive limits: not determined		yes
11.1		- Acute toxicity estimate (ATE): change in the listing (table)	yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.1	UN number: 3295	UN number	yes
14.1		DOT: UN 1263	yes
14.1		IMDG-Code: UN 1263	yes
14.1		ICAO-TI: UN 1263	yes
14.2	UN proper shipping name: Hydrocarbons, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Paint related material	yes
14.2		IMDG-Code: PAINT RELATED MATERIAL	yes
14.2		ICAO-TI: Paint related material	yes
14.3	Class: 3 (flammable liquids)		yes
14.3		DOT: 3	yes
14.3		IMDG-Code: 3	yes
14.3		ICAO-TI: 3	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Particulars in the shipper's declaration: UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN1263, Paint related material, 3, III, environmentally hazardous	yes
14.7	Reportable quantity (RQ): 4,545,455 lbs (2,063,636 kg) (naphthalene) (benzene)	Reportable quantity (RQ): 4,545,455 lbs (2,063,636 kg) (naphthalene) (n-butanol)	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Special provisions (SP): 144, B1, IB3, T4, TP1, TP29	Special provisions (SP): 367, B1, B52, B131, IB3, T2, TP1, TP29	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Distillates (petroleum), hydrotreated light)	yes
14.7	Special provisions (SP): 223	Special provisions (SP): 163, 223, 367, 955	yes
14.7	EmS: F-E, S-D	EmS: F-E, <u>S-E</u>	yes
14.7	UN number: 3295		yes
14.7	Proper shipping name: Hydrocarbons, liquid, n.o.s.		yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Special provisions (SP): A3	Special provisions (SP): A3, A72, A192	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes
15.1		California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987	yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet