



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## POR-15 HIGH TEMPERATURE ALUMINUM

Version number: GHS 1.0

Date of compilation: 2023-12-07

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name **POR-15 HIGH TEMPERATURE ALUMINUM**  
Product code(s) 44301, 44304, 44305, 44316, 44355

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

Relevant identified uses Paint

#### 1.3 Details of the supplier of the safety data sheet

P.O.R. Products  
38 Portman Road  
New Rochelle NY 10801  
United States

Telephone: +1 914-636-0700  
e-mail: support@porproducts.com  
Website: www.porproducts.com

e-mail (competent person) support@porproducts.com

#### 1.4 Emergency telephone number

Emergency information service 1-800-255-3924  
ChemTel Inc.

### 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.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.5	germ cell mutagenicity	1B	Muta. 1B	H340
A.6	carcinogenicity	1A	Carc. 1A	H350
A.8	specific target organ toxicity - single exposure	1	STOT SE 1	H370
A.9	specific target organ toxicity - repeated exposure	1	STOT RE 1	H372
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

Delayed or immediate effects can be expected after short or long-term exposure. 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.  
H319 Causes serious eye irritation.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H370 Causes damage to organs.  
H372 Causes damage to organs through prolonged or repeated exposure.

- 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.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P270 Do not eat, drink or smoke when using this product.  
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.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P307+P311 If exposed: Call a poison center/doctor.  
P308+P313 If exposed or concerned: Get medical advice/attention.  
P314 Get medical advice/attention if you feel unwell.  
P321 Specific treatment (see on this label).  
P331 Do NOT induce vomiting.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
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

MINERAL SPIRITS 66/1, 2-butanone oxime, standard solvent, Crystalline silica (quartz)

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### 2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0.1\%$ .

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0.1\%$ .

## 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
SCHLENK EM 90 (MS) SILVER		50 - < 75	
MINERAL SPIRITS 66/1	CAS No 64742-48-9	10 - < 25	Muta. 1B / H340 Carc. 1A / H350 Asp. Tox. 1 / H304
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	CAS No 68953-58-2	5 - < 10	
stoddard solvent	CAS No 8052-41-3	5 - < 10	Acute Tox. 3 / H331 Muta. 1B / H340 Carc. 1A / H350 STOT RE 1 / H372 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
2-butanone oxime	CAS No 96-29-7	1 - < 5	Acute Tox. 3 / H301 Acute Tox. 4 / H312 Acute Tox. 3 / H331 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 1B / H350 STOT SE 1 / H370 STOT SE 3 / H336 STOT RE 2 / H373 Flam. Liq. 4 / H227
2-ethylhexanoic acid, zirconium salt	CAS No 22464-99-9	0.1 - < 1	Acute Tox. 4 / H332
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	CAS No 136-52-7	0.1 - < 1	
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8	0.1 - < 1	Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
xylene	CAS No 1330-20-7	0.1 - < 1	Acute Tox. 4 / H312 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226

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Name of substance	Identifier	Wt%	Classification acc. to GHS
Crystalline silica (quartz)	CAS No 14808-60-7	0.1 - < 1	Carc. 1A / H350
ethyl benzene	CAS No 100-41-4	0 - < 0.1	Acute Tox. 4 / H332 Carc. 2 / H351 STOT RE 2 / H373 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226
2-(2-butoxyethoxy)ethanol	CAS No 112-34-5	0 - < 0.1	Eye Irrit. 2 / H319
naphthalene	CAS No 91-20-3	0 - < 0.1	Acute Tox. 4 / H302 Acute Tox. 1 / H330 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.

#### 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 (CO<sub>2</sub>)

##### Unsuitable extinguishing media

Water jet

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### 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<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 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.

## 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.

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### - 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

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/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Ceiling-C [ppm]	Ceiling-C [mg/m <sup>3</sup> ]	Notation	Source
US	ethylbenzene	100-41-4	PEL (CA)	5	22	30	130				Ca/ OSHA PEL
US	ethylbenzene	100-41-4	REL	100 (10 h)	435 (10 h)	125	545				NIOSH REL
US	ethylbenzene	100-41-4	TLV®	20							ACGIH® 2023
US	ethylbenzene	100-41-4	PEL	100	435						29 CFR 1910.1000
US	diethylene glycol monobutyl ether	112-34-5	TLV®	10						iv	ACGIH® 2023
US	xylene, mixture of isomers	1330-20-7	TLV®	20							ACGIH® 2023



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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	xylene, mixture of isomers	1330-20-7	PEL	100	435						29 CFR 1910.1000
US	xylene (dimethylbenzene)	1330-20-7	PEL (CA)	100	435	150	655	300			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
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000
US	stoddard solvent	8052-41-3	PEL (CA)	100	525						Cal/OSHA PEL
US	stoddard solvent	8052-41-3	REL		350 (10 h)				1,800 (15 min)		NIOSH REL
US	stoddard solvent	8052-41-3	TLV®	100							ACGIH® 2023
US	stoddard solvent	8052-41-3	PEL	500	2,900						29 CFR 1910.1000
US	naphthalene	91-20-3	PEL (CA)	0.1	0.5						Cal/OSHA PEL
US	naphthalene	91-20-3	REL	10 (10 h)	50 (10 h)	15	75				NIOSH REL
US	naphthalene	91-20-3	PEL	10	50						29 CFR 1910.1000
US	naphthalene	91-20-3	TLV®	10						H	ACGIH® 2023

**Notation**

- appx-A NIOSH Potential Occupational Carcinogen (Appendix A)
- Ceiling-C ceiling value is a limit value above which exposure should not occur
- H absorbed through the skin
- 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)



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### Biological limit values

Country	Name of agent	Parameter	Notation	Identifier	Value	Source
US	ethylbenzene	mandelic acid, benzoylformic acid	crea	BEI®	0.15 g/g	ACGIH® 2023
US	xylene, mixture of isomers	methylhippuric acids	crea	BEI®	1.5 g/g	ACGIH® 2023

#### Notation

crea creatinine

### Relevant DNELs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
stoddard solvent	8052-41-3	DNEL	44 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
stoddard solvent	8052-41-3	DNEL	55 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic effects
stoddard solvent	8052-41-3	DNEL	44 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
stoddard solvent	8052-41-3	DNEL	55 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
stoddard solvent	8052-41-3	DNEL	80 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
stoddard solvent	8052-41-3	DNEL	30 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
2-butanone oxime	96-29-7	DNEL	9 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
2-butanone oxime	96-29-7	DNEL	3.33 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
2-butanone oxime	96-29-7	DNEL	1.3 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-butanone oxime	96-29-7	DNEL	2.5 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	136-52-7	DNEL	235.1 µg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
xylene	1330-20-7	DNEL	221 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
xylene	1330-20-7	DNEL	442 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic effects
xylene	1330-20-7	DNEL	221 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
xylene	1330-20-7	DNEL	442 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
xylene	1330-20-7	DNEL	212 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
ethyl benzene	100-41-4	DNEL	77 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
ethyl benzene	100-41-4	DNEL	293 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects





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Relevant DNELs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
ethyl benzene	100-41-4	DNEL	180 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	67.5 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	67.5 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	101.2 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	83 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
naphthalene	91-20-3	DNEL	25 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
naphthalene	91-20-3	DNEL	25 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
naphthalene	91-20-3	DNEL	3.57 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
stoddard solvent	8052-41-3	PNEC	0.14 mg/l	aquatic organisms	freshwater	short-term (single instance)
stoddard solvent	8052-41-3	PNEC	0.35 mg/l	aquatic organisms	marine water	short-term (single instance)
stoddard solvent	8052-41-3	PNEC	1.14 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
stoddard solvent	8052-41-3	PNEC	0.14 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-butanone oxime	96-29-7	PNEC	0.256 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-butanone oxime	96-29-7	PNEC	177 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	136-52-7	PNEC	0.62 µg/l	aquatic organisms	freshwater	short-term (single instance)
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	136-52-7	PNEC	2.36 µg/l	aquatic organisms	marine water	short-term (single instance)
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	136-52-7	PNEC	0.37 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	136-52-7	PNEC	53.8 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)



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Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	136-52-7	PNEC	69.8 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	136-52-7	PNEC	10.9 mg/kg	terrestrial organisms	soil	short-term (single instance)
xylene	1330-20-7	PNEC	0.327 mg/l	aquatic organisms	freshwater	short-term (single instance)
xylene	1330-20-7	PNEC	0.327 mg/l	aquatic organisms	marine water	short-term (single instance)
xylene	1330-20-7	PNEC	6.58 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
xylene	1330-20-7	PNEC	12.46 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
xylene	1330-20-7	PNEC	12.46 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
xylene	1330-20-7	PNEC	2.31 mg/kg	terrestrial organisms	soil	short-term (single instance)
ethyl benzene	100-41-4	PNEC	0.1 mg/l	aquatic organisms	freshwater	short-term (single instance)
ethyl benzene	100-41-4	PNEC	0.01 mg/l	aquatic organisms	marine water	short-term (single instance)
ethyl benzene	100-41-4	PNEC	9.6 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
ethyl benzene	100-41-4	PNEC	13.7 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
ethyl benzene	100-41-4	PNEC	1.37 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
ethyl benzene	100-41-4	PNEC	2.68 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	1.1 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.11 mg/l	aquatic organisms	marine water	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	200 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	4.4 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.44 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.32 mg/kg	terrestrial organisms	soil	short-term (single instance)

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### 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

#### Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	>152 °C at 113 atm
Flash point	≥37.8 °C
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)

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Vapor pressure	1.07 kPa at 20 °C
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined

### Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	232 °C
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

### 9.2 Other information

Solid content	1.957 %
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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 reactive 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

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### 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

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
stoddard solvent	8052-41-3	inhalation: vapor	>5.5 mg/l/4h
2-butanone oxime	96-29-7	dermal	>1,000 mg/kg
2-butanone oxime	96-29-7	inhalation: vapor	>4.83 mg/l/4h
2-ethylhexanoic acid, zirconium salt	22464-99-9	inhalation: dust/mist	>4.3 mg/l/4h
Distillates (petroleum), hydro-treated light	64742-47-8	inhalation: vapor	>5.28 mg/l/4h
xylene	1330-20-7	dermal	1,100 mg/kg
xylene	1330-20-7	inhalation: vapor	11 mg/l/4h
ethyl benzene	100-41-4	inhalation: vapor	11 mg/l/4h
naphthalene	91-20-3	oral	710 mg/kg
naphthalene	91-20-3	inhalation: vapor	>0.4 mg/l/4h
naphthalene	91-20-3	inhalation: dust/mist	0.005 mg/l/4h

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Respiratory or skin sensitization

May cause an allergic skin reaction.

#### Germ cell mutagenicity

May cause genetic defects.

#### Carcinogenicity

May cause cancer.

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### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
ethyl benzene	100-41-4	2B	
Crystalline silica (quartz)	14808-60-7	1	
naphthalene	91-20-3	2B	
xylene	1330-20-7	3	

#### 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
naphthalene	91-20-3	Reasonably anticipated to be a human carcinogen	11th Report on Carcinogens

#### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

#### Specific target organ toxicity - single exposure

Causes damage to organs.

#### Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

#### Aspiration hazard

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

### 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

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0.1\%$ .

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### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0.1\%$ .

### 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

IMDG-Code PAINT

ICAO-TI Paint

### 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) stoddard solvent

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### 14.6 Special precautions for user

There is no additional information.

### 14.7 Transport in bulk according to IMO instruments

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, 3, III, environmentally hazardous
Reportable quantity (RQ)	22,222 lbs (10,089 kg) (xylene) (ethyl benzene)
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)
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)

##### Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings			
Name of substance	CAS No	Remarks	Effective date
ethyl benzene	100-41-4		1986-12-31
naphthalene	91-20-3		1986-12-31
xylene	1330-20-7		1986-12-31

##### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
ethyl benzene	100-41-4		1 2 3	1000 (454)
naphthalene	91-20-3		1 2 3 4	100 (45,4)
xylene	1330-20-7		1 3 4	100 (45,4)

##### Legend

- 1 "1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act
- 2 "2" indicates that the source is section 307(a) of the Clean Water Act
- 3 "3" indicates that the source is section 112 of the Clean Air Act
- 4 "4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

##### Clean Air Act

none of the ingredients are listed

##### 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
MINERAL SPIRITS 66/1	64742-48-9		Canada PBiTs EC Annex VI CMRs - Cat. 1B
stoddard solvent	8052-41-3		ATSDR Neurotoxicants EC Annex VI CMRs - Cat. 1B
2-butanone oxime	96-29-7		EC Annex VI CMRs - Cat. 1B
xylene	1330-20-7		ATSDR Neurotoxicants CA MCLs CA TACs CDC 4th National Exposure Report IRIS Neurotoxicants OEHHA RELs
Crystalline silica (quartz)	14808-60-7		IARC Carcinogens - 1
ethyl benzene	100-41-4		ATSDR Neurotoxicants CA MCLs CA TACs CDC 4th National Exposure Report CWA 303(c) IARC Carcinogens - 2B OEHHA RELs Prop 65
2-(2-butoxyethoxy)ethanol			CA TACs
naphthalene	91-20-3		ATSDR Neurotoxicants CA NLS CA TACs CDC 4th National Exposure Report CWA 303(c) CWA 303(d) IARC Carcinogens - 2B IRIS Neurotoxicants NTP 13th RoC - reasonable OEHHA RELs Prop 65 U.S. EPA NWMP PBTs

### - Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
ethyl benzene	100-41-4				0.1 %
Crystalline silica (quartz)		1095			1.0 %
naphthalene	91-20-3				0.1 %
2-(2-butoxyethoxy)ethanol		1022			1.0 %
xylene	1330-20-7				1.0 %



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### - Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Crystalline silica (quartz)		A, *	
stoddard solvent	8052-41-3	A, N, O	
2-butanone oxime	96-29-7	I	
MINERAL SPIRITS 66/1	64742-48-9	A, O	

#### 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
- I American Industrial Hygiene Association (AIHA), "Workplace Environmental Exposure Level Guides" (1992), available from AIHA
- 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

### - Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
ethyl benzene	100-41-4		CA F3
Crystalline silica (quartz)	14808-60-7		CA
stoddard solvent	8052-41-3		F2
naphthalene	91-20-3		CA F2
2-(2-butoxyethoxy)ethanol			
xylene	1330-20-7		F3

#### Legend

- CA Carcinogenic
- F2 Flammable - Second Degree
- F3 Flammable - Third Degree

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

Name acc. to inventory	CAS No	Classification
BENZENE, ETHYL-	100-41-4	E
STODDARD SOLVENT	8052-41-3	
GLYCOL ETHERS		E
BENZENE, DIMETHYL-	1330-20-7	E

#### Legend

- E Environmental hazard



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### - Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
ethyl benzene	100-41-4	T, F
Crystalline silica (quartz)	14808-60-7	T
Crystalline silica (quartz)	14808-60-7	T
stoddard solvent	8052-41-3	T
naphthalene	91-20-3	T, F
xylene	1330-20-7	T, F
xylene	1330-20-7	T, F
xylene	1330-20-7	T, F

#### 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
ethylbenzene	100-41-4		cancer
naphthalene	91-20-3		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		

### National inventories

Country	Inventory	Status
US	TSCA	all ingredients are listed (ACTIVE)

#### Legend

TSCA Toxic Substance Control Act

## 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

### 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).

### Disclaimer

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