SHINE \* SUPPLY \*

acc. to 29 CFR 1910.1200 App D

### **Beadlock Pro Marine**

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### **SECTION 1: Identification**

#### 1.1 Product identifier

Trade name Beadlock Pro Marine

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

Relevant identified uses Professional use

Industrial use

Uses advised against

Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.

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

Shine Supply 1343 Callens Rd. Ventura CA 93003

805-535-4332 info@shinesupply.com

#### 1.4 Emergency telephone number

Emergency information service

USA 1.800.535.5053, INTL 1.352.323.3500 24 hour emergency number

### 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 cat- egory	Hazard state- ment
A.10	acute toxicity (oral)	4	Acute Tox. 4	H302
A.2	skin corrosion/irritation	1B	Skin Corr. 1B	H314
A.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
A.4S	skin sensitization	1	Skin Sens. 1	H317
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

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

#### 2.2 Label elements

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

- Signal word danger

- Pictograms

GHS02, GHS05, GHS07





#### - Hazard statements

H226 Flammable liquid and vapor. H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.

#### - Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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/protective clothing/eye protection/face protection.

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

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.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing.

P310 Immediately call a poison center/doctor.
P321 Specific treatment (see on this label).
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 in accordance with local/regional/national/international regulations.

#### - Hazardous ingredients for labelling

orange oil, Alkyl Polysilicates, Cyclosilazanes, di-Me, Me Hydrogen, polymers with di-Me, Me hydrogen silazanes, and 2,4-TDI, pine oil

#### 2.3 Other hazards

#### Hazards not otherwise classified

Contains orange oil, pine oil. May produce an allergic reaction.

Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic).

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Results of PBT and vPvB assessment

Contains a PBT-substance at a concentration of  $\geq$  0.1%. Contains a vPvB-substance at a concentration of  $\geq$  0.1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) 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	Notes
Cyclosilazanes, di-Me, Me Hydrogen, polymers with di-Me, Me hydrogen silazanes, and 2,4-TDI	CAS No 2649792-57-2	20 - < 40	Acute Tox. 4 / H302 Skin Corr. 1B / H314 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Flam. Liq. 2 / H225	
Alkyl Polysilicates	CAS No 919-30-2	20-<40	Acute Tox. 4 / H302 Skin Corr. 1B / H314	
decamethylcyclopentasiloxane	CAS No 541-02-6	12-<20	Flam. Liq. 4 / H227	PBT vPvB
distillates (petroleum) hydro- treated, light	CAS No 64742-47-8	5-<12	Asp. Tox. 1 / H304	
orange oil	CAS No 8028-48-6 68647-72-3	0.1 - < 1	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	
pine oil	CAS No 8002-09-3 RTECS No TG0994000	0.1-<1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Flam. Liq. 4 / H227	
methanol	CAS No 67-56-1	0.1-<1	Acute Tox. 3 / H301 Acute Tox. 3 / H311 Acute Tox. 3 / H331 STOT SE 1 / H370 Flam. Liq. 2 / H225	

Notes

PBT: The substance was identified as a PBT (persistent, bioaccumulative and toxic) vPvB: The substance was identified as a vPvB (very persistent and very bioaccumulative)

Hazardous ingredients, Consideration of other advice

Exact percentage of ingredients is withheld as a trade secret.

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#### Remarks

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. In case of respiratory tract irritation, consult a physician. 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 (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 (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

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#### 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 fire-fighting 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

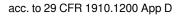
- Measures to prevent fire as well as aerosol and dust generation

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.

- 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.

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#### 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)

Coun try	Name of agent	CAS No	Iden- tifier	TWA [ppm]	TWA [mg/ m³]	STEL [ppm]	STEL [mg/ m³]	Ceil- ing-C [ppm]	Ceil- ing-C [mg/ m³]	Nota- tion	Sourc e
US	methanol	67-56-1	TLV®	200		250				Н	AC- GIH® 2019
US	methyl alcohol	67-56-1	REL	200 (10 h)	260 (10 h)	250	325				NIOSH REL
US	methyl alcohol	67-56-1	PEL	200	260						29 CFR 1910.1 000
US	methyl alcohol (methanol)	67-56-1	PEL (CA)	200	260	250	325	1,000			Cal/ OSHA PEL

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

absorbed through the skin

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Notation

STEL

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless other-

wise 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

Biological limit values									
Country	Name of agent	Parameter	Notation	Identifier	Value	Source			
US	methanol	methanol		BEI®	15 mg/l	ACGIH® 2019			

Relevant DNELs of components							
Name of sub- stance	CAS No	End- point	Threshold level	Protection goal, route of expos- ure	Used in	Exposure time	
Alkyl Polysilicates	919-30-2	DNEL	14 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic ef- fects	
Alkyl Polysilicates	919-30-2	DNEL	2 mg/kg bw/ day	human, dermal	worker (industry)	chronic - systemic ef- fects	
decamethylcyclo- pentasiloxane	541-02-6	DNEL	97 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic ef- fects	
decamethylcyclo- pentasiloxane	541-02-6	DNEL	24 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects	
decamethylcyclo- pentasiloxane	541-02-6	DNEL	97 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic ef- fects	
decamethylcyclo- pentasiloxane	541-02-6	DNEL	24 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects	
orange oil	8028-48-6 68647-72-3	DNEL	31 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic ef- fects	
orange oil	8028-48-6 68647-72-3	DNEL	8.9 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic ef- fects	
orange oil	8028-48-6 68647-72-3	DNEL	186 μg/cm <sup>2</sup>	human, dermal	worker (industry)	acute - local effects	
methanol	67-56-1	DNEL	130 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic ef- fects	
methanol	67-56-1	DNEL	130 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic ef- fects	
methanol	67-56-1	DNEL	130 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects	
methanol	67-56-1	DNEL	130 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects	
methanol	67-56-1	DNEL	20 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic ef- fects	

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# Relevant DNELs of components

Name of sub- stance	CAS No	End- point	Threshold level	Protection goal, route of expos- ure	Used in	Exposure time
methanol	67-56-1	DNEL	20 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic ef- fects

# Relevant PNECs of components

Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time
decamethylcyclo- pentasiloxane	541-02-6	PNEC	10 <sup>mg</sup> / <sub>l</sub>	microorganisms	sewage treatment plant (STP)	short-term (single in- stance)
decamethylcyclo- pentasiloxane	541-02-6	PNEC	11 <sup>mg</sup> / <sub>kg</sub>	benthic organisms	sediment	short-term (single in- stance)
decamethylcyclo- pentasiloxane	541-02-6	PNEC	13 <sup>mg</sup> / <sub>kg</sub>	(top) predators	water	short-term (single in- stance)
decamethylcyclo- pentasiloxane	541-02-6	PNEC	1.1 <sup>mg</sup> / <sub>kg</sub>	pelagic organisms	sediment	short-term (single in- stance)
decamethylcyclo- pentasiloxane	541-02-6	PNEC	1.2 <sup>µg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single in- stance)
decamethylcyclo- pentasiloxane	541-02-6	PNEC	0.12 <sup>µg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single in- stance)
decamethylcyclo- pentasiloxane	541-02-6	PNEC	10 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single in- stance)
decamethylcyclo- pentasiloxane	541-02-6	PNEC	11 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single in- stance)
decamethylcyclo- pentasiloxane	541-02-6	PNEC	1.1 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single in- stance)
decamethylcyclo- pentasiloxane	541-02-6	PNEC	2.5 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single in- stance)
orange oil	8028-48-6 68647-72-3	PNEC	2.1 <sup>mg</sup> / <sub>l</sub>	microorganisms	sewage treatment plant (STP)	short-term (single in- stance)
orange oil	8028-48-6 68647-72-3	PNEC	1.3 <sup>mg</sup> / <sub>kg</sub>	benthic organisms	sediment	short-term (single in- stance)
orange oil	8028-48-6 68647-72-3	PNEC	0.13 <sup>mg</sup> / <sub>kg</sub>	pelagic organisms	sediment	short-term (single in- stance)
orange oil	8028-48-6 68647-72-3	PNEC	44 <sup>mg</sup> / <sub>kg</sub>	(top) predators	water	short-term (single in- stance)
orange oil	8028-48-6 68647-72-3	PNEC	5.8 <sup>μg</sup> / <sub>l</sub>	aquatic organisms	water	intermittent release

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# Relevant PNECs of components

Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time
orange oil	8028-48-6 68647-72-3	PNEC	5.4 <sup>µg</sup> / <sub>I</sub>	aquatic organisms	freshwater	short-term (single instance)
orange oil	8028-48-6 68647-72-3	PNEC	0.54 <sup>µg</sup> / <sub>I</sub>	aquatic organisms	marine water	short-term (single instance)
orange oil	8028-48-6 68647-72-3	PNEC	2.1 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
orange oil	8028-48-6 68647-72-3	PNEC	1.3 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single instance)
orange oil	8028-48-6 68647-72-3	PNEC	0.13 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single instance)
orange oil	8028-48-6 68647-72-3	PNEC	0.26 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single instance)
methanol	67-56-1	PNEC	100 <sup>mg</sup> / <sub>l</sub>	microorganisms	sewage treatment plant (STP)	short-term (single instance)
methanol	67-56-1	PNEC	77 <sup>mg</sup> / <sub>kg</sub>	benthic organisms	sediment	short-term (single in- stance)
methanol	67-56-1	PNEC	7.7 <sup>mg</sup> / <sub>kg</sub>	pelagic organisms	sediment	short-term (single instance)
methanol	67-56-1	PNEC	1,540 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	water	intermittent release
methanol	67-56-1	PNEC	21 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single in- stance)
methanol	67-56-1	PNEC	2.1 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single instance)
methanol	67-56-1	PNEC	100 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
methanol	67-56-1	PNEC	77 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single in- stance)
methanol	67-56-1	PNEC	7.7 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single instance)
methanol	67-56-1	PNEC	100 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single in- stance)
			•	•	•	

# 8.2 Exposure controls

Appropriate engineering controls General ventilation.

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Individual protection measures (personal protective equipment)

### Eye/face protection

Wear eye/face protection. According to EN166 .

#### Skin protection

#### - Hand protection

Wear suitable gloves. 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. Chemical protection gloves (nitrile) which are tested according to EN 374.

#### - 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	clear - colorless
Particle	not relevant (liquid)
Odor	like citrus

#### Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	>65 °C at 1 atm
Flash point	58 °C at 101 kPa closed cup
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)

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#### **Explosive limits**

- Lower explosion limit (LEL)	0.6 vol%
- Upper explosion limit (UEL)	4.9 vol%
Vapor pressure	132 Pa at 25 °C
Density	8.1 lb/ <sub>gal</sub> at 25 °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	262 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none
Temperature class (USA, acc. to NEC 500)	T2B (maximum permissible surface temperature on the equipment: 260 °C)

# **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.

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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 swallowed.

- Acute toxicity estimate (ATE)

Oral  $822 \frac{mg}{kg}$ 

### Acute toxicity estimate (ATE) of components

, , ,			
Name of substance	CAS No	Exposure route	ATE
Cyclosilazanes, di-Me, Me Hydrogen, polymers with di-Me, Me hydrogen silazanes, and 2,4-TDI	2649792-57-2	oral	500 <sup>mg</sup> / <sub>kg</sub>
Alkyl Polysilicates	919-30-2	oral	500 <sup>mg</sup> / <sub>kg</sub>
methanol	67-56-1	oral	100 <sup>mg</sup> / <sub>kg</sub>
methanol	67-56-1	inhalation: gas	700 <sup>ppmV</sup> / <sub>4h</sub>
methanol	67-56-1	inhalation: dust/mist	0.5 <sup>mg</sup> / <sub>l</sub> /4h

#### Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

May cause an allergic skin reaction.

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SHINE \* SUPPLY \*

acc. to 29 CFR 1910.1200 App D

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#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

#### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

#### 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

Shall not be classified as presenting an aspiration hazard.

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

### Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Cyclosilazanes, di-Me, Me Hydrogen, polymers with di-Me, Me hydrogen silazanes, and 2,4-TDI	2649792-57-2	LC50	57 <sup>mg</sup> / <sub>l</sub>	zebra fish (Danio rerio)	96 h
Alkyl Polysilicates	919-30-2	LC50	>934 <sup>mg</sup> / <sub>I</sub>	fish	96 h
Alkyl Polysilicates	919-30-2	EC50	331 <sup>mg</sup> / <sub>I</sub>	aquatic invertebrates	48 h
decamethylcyclopentas- iloxane	541-02-6	LC50	>16 <sup>µg</sup> / <sub>I</sub>	fish	96 h
decamethylcyclopentas- iloxane	541-02-6	EC50	>2.9 <sup>µg</sup> / <sub>I</sub>	aquatic invertebrates	48 h
orange oil	8028-48-6 68647-72-3	LL50	5.7 <sup>mg</sup> / <sub>l</sub>	fish	96 h
orange oil	8028-48-6 68647-72-3	EL50	1.4 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	24 h
methanol	67-56-1	LC50	15,400 <sup>mg</sup> / <sub>l</sub>	fish	96 h
methanol	67-56-1	EC50	12,700 <sup>mg</sup> / <sub>l</sub>	fish	96 h
methanol	67-56-1	ErC50	22,000 <sup>mg</sup> / <sub>l</sub>	algae	96 h

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### Aquatic toxicity (chronic) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Alkyl Polysilicates	919-30-2	EC50	43 <sup>mg</sup> / <sub>l</sub>	microorganisms	5.75 h
decamethylcyclopentas- iloxane	541-02-6	LC50	>16 <sup>µg</sup> / <sub>I</sub>	fish	14 d
decamethylcyclopentas- iloxane	541-02-6	EC50	>15 <sup>µg</sup> / <sub>I</sub>	aquatic invertebrates	21 d

### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

The substance fulfills the very bioaccumulative criterion.

#### 12.4 Mobility in soil

Data are not available.

#### 12.5 Results of PBT and vPvB assessment

The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

#### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) 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.

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# **Beadlock Pro Marine**

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# **SECTION 14: Transport information**

**UN number** 14.1

> DOT UN 1993 **IMDG-Code** UN 1993 ICAO-TI UN 1993

14.2 **UN proper shipping name** 

> DOT Flammable liquid, n.o.s.

**IMDG-Code** FLAMMABLE LIQUID, N.O.S.

ICAO-TI Flammable liquid, n.o.s.

Technical name (hazardous ingredients) Cyclosilazanes, di-Me, Me Hydrogen, polymers with di-

Me, Me hydrogen silazanes, and 2,4-TDI, octamethyl-

cyclotetrasiloxane

decamethylcyclopentasiloxane

14.3 Transport hazard class(es)

> DOT 3 **IMDG-Code** 3 ICAO-TI 3

14.4 Packing group

> DOT Ш **IMDG-Code** Ш ICAO-TI Ш

14.5 **Environmental hazards** hazardous to the aquatic environment

Environmentally hazardous substance (aquatic

environment)

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 UN1993, Flammable liquid, n.o.s., (contains: Cyclosil-

> azanes, di-Me, Me Hydrogen, polymers with di-Me, Me hydrogen silazanes, and 2,4-TDI, octamethylcyclotet-

rasiloxane), 3, III, environmentally hazardous

Reportable quantity (RQ) 2,868,854 lbs (1,302,459 kg) (methanol)

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### **Beadlock Pro Marine**

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Danger label(s)

3, fish and tree





Environmental hazards yes (hazardous to the aquatic environment)
Special provisions (SP)
B1, B52, IB3, T4, TP1, TP29

ERG No 128

### International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant yes (hazardous to the aquatic environment) (decamethylcyclopentasilox-

ane)

Danger label(s) 3, fish and tree





Special provisions (SP) 223, 274, 955

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)

Excepted quantities (EQ)

Limited quantities (LQ)

A3

E1

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)

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

none of the ingredients are listed

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# **Beadlock Pro Marine**

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- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings CAS No Effective date methanol 67-56-1 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)
methanol	67-56-1		3 4	5000 (2270)

#### Legend

#### 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)

Name of substance	CAS No	Functionality	Authoritative Lists
Alkyl Polysilicates	919-30-2	resin	
decamethylcyclopentasiloxane	541-02-6	solvents	Canada PBiTs CECBP - Priority Chemicals EC PBTs
distillates (petroleum) hydrotreated, light	64742-47-8	solvents	
polydimethylsiloxane	63148-62-9	surface modifier	
polytrimethylhydrosilylsiloxane	68988-56-7	surface modifier	
trimethylsiloxysilicate	68988-56-7	resin	
orange oil	8028-48-6 68647-72-3	fragrance	
pine oil	8002-09-3	fragrance	
alpha-Terpineol acetate	80-26-2	fragrance	
methanol	67-56-1	alcohols	CA TACs NTP OHAT - Repr. or Dev. Toxicants OEHHA RELs Prop 65
tetra(trimethylsiloxy)silane	3555-47-3	surface modifier	Canada PBiTs

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<sup>&</sup>quot;3" indicates that the source is section 112 of the Clean Air Act
"4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

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Name of substance	CAS No	Functionality	Authoritative Lists
amyl salicylate	2050-08-0	fragrance	
alpha terpineol	98-55-5	fragrance	
isobornyl acetate	125-12-2	fragrance	
3,7-dimethyl-2,6-nonadienenitrile	61792-11-8	fragrance	
DL-limonene	138-86-3	fragrance	
linalool	78-70-6	fragrance	EU Fragrance Allergens
Dihydromyrcenol	18479-58-8	fragrance	
dodecanal	112-54-9	fragrance	

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

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshol d	De Minimis Con- centration Threshold
methanol	67-56-1				1.0 %

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

Name of substance	CAS No	Remarks	Classifications
methanol	67-56-1		TE F3
pine oil	8002-09-3		F2

Legend

F2 F3 TE Flammable - Second Degree Flammable - Third Degree

Teratogenic

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

Name acc. to inventory	CAS No	Classification
METHANOL	67-56-1	E

Legend

Environmental hazard

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# **Beadlock Pro Marine**

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

Name of substance	CAS No	References
methanol	67-56-1	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 chemica	als				
Name of substance	Name acc. to inventory	CAS No	Wt%	Remarks	Type of the tox-icity
methanol	methanol	67-56-1	0.17		develop- mental

#### **VOC** content

Regulated Volatile Organic Compounds (VOC-EPA)
Regulated Volatile Organic Compounds (VOC-Cal ARB)
1.5 %

# 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	3	major injury likely unless prompt action is taken and medical treatment is given
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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# **Beadlock Pro Marine**

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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	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

### **National inventories**

Country	Inventory	Status
CA	DSL	not all ingredients are listed
CA	NDSL	not all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)
AU	AIIC	not all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	not all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	not all ingredients are listed
PH	PICCS	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	not all ingredients are listed

Legend

AIIC Australian Inventory of Industrial Chemicals

CICR CSCL-ENCS Chemical Inventory and Control Regulation

List of Existing and New Chemical Substances (CSCL-ENCS)

DSL Domestic Substances List (DSL)

**ECSI** 

EC Substance Inventory (EINECS, ELINCS, NLP)
Inventory of Existing Chemical Substances Produced or Imported in China
National Inventory of Chemical Substances
Inventory of Existing and New Chemical Substances (ISHA-ENCS) IECSC

INSQ ISHA-ENCS

Korea Existing Chemicals Inventory Non-domestic Substances List (NDSL) KECI NDSL NZIoC New Zealand Inventory of Chemicals

**PICCS** Philippine Inventory of Chemicals and Chemical Substances (PICCS)

REACH Reg. REACH registered substances

Taiwan Chemical Substance Inventory **TCSI** TSCA Toxic Substance Control Act

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# **Beadlock Pro Marine**

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### 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: Professional use Industrial use	yes
1.2		Uses advised against: Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.	yes
1.3	Details of the supplier of the safety data sheet: Shine Supply 1302 Tower Square, Unit 1 Ventura, CA. 93003 805-535-4332 info@shinesupply.com	Details of the supplier of the safety data sheet: Shine Supply 1343 Callens Rd. Ventura CA 93003  805-535-4332 info@shinesupply.com	yes
1.4	Emergency information service: Nødtelefon: Telefon +47 22 59 13 00 Beskrivelse: Giftinformasjonen	Emergency information service: USA 1.800.535.5053, INTL 1.352.323.3500 24 hour emergency number	yes
2.1		Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): change in the listing (table)	yes
2.1	The most important adverse physicochemical, human health and environmental effects: The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).	The most important adverse physicochemical, human health and environmental effects:  Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).	yes
2.2		- Pictograms: change in the listing (table)	yes
2.2		- Hazard statements: change in the listing (table)	yes
2.2		- Precautionary statements: change in the listing (table)	yes
2.2	- Hazardous ingredients for labelling: octamethylcyclotetrasiloxane, Alkyl Polysilicates, or- ange oil, Cyclosilazanes, di-Me, Me Hydrogen, poly- mers with di-Me, Me hydrogen silazanes, and 2,4-TDI	- Hazardous ingredients for labelling: orange oil, Alkyl Polysilicates, Cyclosilazanes, di-Me, Me Hydrogen, polymers with di-Me, Me hydrogen sil- azanes, and 2,4-TDI, pine oil	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety- relevant
2.3	Results of PBT and vPvB assessment: Containing a PBT-/vPvB-substance in a concentration of ≥ 0,1%.	Results of PBT and vPvB assessment: Contains a PBT-substance at a concentration of ≥ 0.1%. Contains a vPvB-substance at a concentration of ≥ 0.1%.	yes
2.3		Endocrine disrupting properties:  Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.	yes
3.2		Description of the mixture: change in the listing (table)	yes
3.2	Hazardous ingredients, Consideration of other advice: Exact percentage of ingredients is withheld as a trade secret.For full text of abbreviations: see SECTION 16.	Hazardous ingredients, Consideration of other advice: Exact percentage of ingredients is withheld as a trade secret.	yes
3.2		Remarks: For full text of abbreviations: see SECTION 16.	yes
8.1		Relevant DNELs of components: change in the listing (table)	yes
8.1		Relevant PNECs of components: change in the listing (table)	yes
11.1		Acute toxicity estimate (ATE) of components: change in the listing (table)	yes
11.1	Skin corrosion/irritation: Causes skin irritation.	Skin corrosion/irritation: Causes severe skin burns and eye damage.	yes
11.1	Reproductive toxicity: Suspected of damaging fertility.	Reproductive toxicity: Shall not be classified as a reproductive toxicant.	yes
12.1		Aquatic toxicity (acute) of components: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components: change in the listing (table)	yes
12.6	Endocrine disrupting properties: Information on this property is not available.	Endocrine disrupting properties:  Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.	yes
15.1	Toxic Substance Control Act (TSCA): all ingredients are listed		yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes
15.1		National inventories: change in the listing (table)	yes
16		Abbreviations and acronyms: change in the listing (table)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety- relevant
16		List of relevant phrases (code and full text as stated in section 2 and 3): change in the listing (table)	yes

# Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
ACGIH® 2019	From ACGIH®, 2019 TLVs® and BEIs® Book. Copyright 2019. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
Cal ARB	California Air Resources Board
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DEP CODE	Department of Environmental Protection Code
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
EPA	Environmental Protection Agency. An agency of the federal government of the United States charged with protecting human health and the environment

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version of: 2022-03-03 (GHS 2)		
Abbr.	Descriptions of used abbreviations	
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control	
ERG No	Emergency Response Guidebook - Number	
Eye Dam.	Seriously damaging to the eye	
Eye Irrit.	Irritant to the eye	
Flam. Liq.	Flammable liquid	
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations	
HHS	Higher hazard substance	
IATA	International Air Transport Association	
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)	
ICAO	International Civil Aviation Organization	
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air	
IMDG	International Maritime Dangerous Goods Code	
IMDG-Code	International Maritime Dangerous Goods Code	
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval	
LHS	Lower hazard substance	
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality	
NFPA®	National Fire Protection Association (United States)	
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)	
NLP	No-Longer Polymer	
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition	
OSHA	Occupational Safety and Health Administration (United States)	
PBT	Persistent, Bioaccumulative and Toxic	
PEL	Permissible exposure limit	
PNEC	Predicted No-Effect Concentration	
ppm	Parts per million	
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)	
Skin Corr.	Corrosive to skin	
Skin Irrit.	Irritant to skin	
Skin Sens.	Skin sensitization	

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Abbr.	Descriptions of used abbreviations
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TLV®	Threshold Limit Values
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

### 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 section 2 and 3)

Code	Text
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H370	Causes damage to organs.

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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.

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