

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
 - **Trade name: Fermitopp E**
 - **UFI:** FJD0-20J9-P00X-EUCX
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 No further relevant information available.
 - **Application of the substance / the mixture** Silicone sealing
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
 Fermit GmbH
 Zur Heide 4,
 D- 53560 Vettelschoß
 www.fermit.de
 - **Informing department:**
 Tel.: +49 (0) 2645-2207
 Fax: +49 (0) 2645-3113
 Email: info@fermit.de
- **1.4 Emergency telephone number:**
 Gift-Informationszentrum Nord, Göttingen
 Poison Information Center, Göttingen
 Tel.: +49 (0)551 19240
 (German and English only)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.
 Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008**
 The product is classified and labelled according to the CLP regulation.
 - **Hazard pictograms**



GHS05 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**
 methylsilanetriyl triacetate

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: Fermitopp E

(Contd. from page 1)

triacetoxylethylsilane
Oligomere Ethylacetoxysilane und Methylacetoxysilane

- **Hazard statements**

H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

P102 Keep out of reach of children.
P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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.
P310 Immediately call a POISON CENTER/doctor.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:**

541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane
556-67-2	octamethylcyclotetrasiloxane

- **vPvB:**

541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane
556-67-2	octamethylcyclotetrasiloxane

- **Determination of endocrine-disrupting properties**

The product contains substances suspected of having endocrine disrupting properties (List II and List III).

541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II
556-67-2	octamethylcyclotetrasiloxane	List II; III

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Mixture of the substances listed below including additives not requiring identification.

- **Dangerous components:**

CAS: 64742-46-7 EINECS: 265-148-2 Index number: 649-221-00-X Reg.nr.: 01-2119489867-12-X	Distillates (petroleum), hydrotreated middle ----- ☠ Asp. Tox. 1, H304	25 - 50%
CAS: 1335203-17-2	Hydrocarbons, C15-C20, < 0.03% aromat. ----- ☠ Asp. Tox. 1, H304	25 - 50%
CAS: 541-02-6 EINECS: 208-764-9 Reg.nr.: 01-2119511367-43-X	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane Non-classified vPvB substance. Non-classified PBT substance. Substance identified as having endocrine disrupting properties (II).	0 - 10%
CAS: 556-67-2 EINECS: 209-136-7 Index number: 014-018-00-1 Reg.nr.: 01-2119529238-36-X	octamethylcyclotetrasiloxane ----- ☠ Flam. Liq. 3, H226; ☠ Repr. 2, H361f; ☠ Aquatic Chronic 1, H410 (M=10) PBT; vPvB	≥ 2.5 - < 3%

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: Fermitopp E

(Contd. from page 2)

CAS: 4253-34-3 EINECS: 224-221-9 Reg.nr.: 01-2119962266-32-X	methylsilanetriyl triacetate ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302, EUH014	≥ 1 - < 5%
CAS: 17689-77-9 EINECS: 241-677-4 Reg.nr.: 01-2119881778-15-X	triacetoxylethylsilane ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302, EUH014	≥ 1 - < 5%
	Oligomere Ethylacetoxysilane und Methylacetoxysilane ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318	≥ 1 - < 3%
CAS: 64359-81-5 EINECS: 264-843-8 Index number: 613-335-00-8	4,5-dichloro-2-octyl-2H-isothiazol-3-one ⚠ Acute Tox. 2, H330; ⚠ Skin Corr. 1, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317 ATE: LD50 oral: 567 mg/kg Specific concentration limits: Skin Irrit. 2; H315: C ≥ 0.025 % Eye Irrit. 2; H319: C ≥ 0.025 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥ 0.00025 - < 0.0015%

· **SVHC**

541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

556-67-2 octamethylcyclotetrasiloxane

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information** Instantly remove any clothing contaminated by the product.

· **After inhalation**

Supply fresh air.

In case of persistent symptoms consult doctor.

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

Remove contaminated clothing immediately.

Wash contaminated clothing before re-use.

In case of skin irritations or sensitizing effects, consult doctor.

· **After eye contact**

Keep eye lids open and rinse them with ample amounts of clean running water for at least 15 minutes.

Call a doctor immediately.

· **After swallowing**

Swallowing is not considered to be a possible way of exposure.

Rinse out mouth and then drink plenty of water.

Therapy of pertinent symptoms. If symptoms persist seek medical attendance.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **After skin contact:** Allergic reactions

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

EU

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: Fermitopp E

(Contd. from page 3)

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents**
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
 - **For safety reasons unsuitable extinguishing agents** Water.
- **5.2 Special hazards arising from the substance or mixture**
Inhalation of combustion gases may cause serious health hazards.
During incomplete combustion carbon monoxide can be formed.
Can be released in case of fire:
Metal oxides
- **5.3 Advice for firefighters**
 - **Protective equipment:**
Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.
 - **Additional information**
Collect contaminated fire fighting water separately. It must not enter drains. Provide sufficient fire fighting water retention.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Observe information for safe handling (item 7) and personal protective equipment (item 8).
Avoid contact with eyes and skin.
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Collect mechanically.
Dispose of contaminated material as waste according to section 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure sufficient ventilation.
Avoid direct contact with eyes, skin and clothing.
Put on suitable personal protective equipment.
 - **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and containers:** Protect from frost.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store in cool, dry conditions in well sealed containers.
- **7.3 Specific end use(s)** No further relevant information available.

EU

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: Fermitopp E

(Contd. from page 4)

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

64742-46-7 Distillates (petroleum), hydrotreated middle

Oral	DNEL (consumer, long-term, systemic)	1.25 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	2.91 mg/kg bw/day (human)
Inhalative	DNEL (worker, short-term, systemic)	5,003 mg/m ³ (human)
	DNEL (worker, long-term, systemic)	16.4 mg/m ³ (human)

556-67-2 octamethylcyclotetrasiloxane

Oral	DNEL (consumer, long-term, systemic)	3.7 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	73 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	13 mg/m ³ (human)
	DNEL (worker, long-term, local)	73 mg/m ³ (human)
	DNEL (consumer, long-term, local)	13 mg/m ³ (human)

4253-34-3 methylsilanetriyl triacetate

Dermal	DNEL (worker, short-term, systemic)	14.5 mg/kg bw/day (human)
	DNEL (worker, long-term, systemic)	14.5 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	7.2 mg/kg bw/day (human)
Inhalative	DNEL (worker, short-term, systemic)	25 mg/m ³ (human)
	DNEL (worker, long-term, systemic)	25 mg/m ³ (human)
	DNEL (consumer, short-term, systemic)	6.3 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	6.3 mg/m ³ (human)
	DNEL (worker, short-term, local)	31 mg/m ³ (human)
	DNEL (consumer, short-term, local)	5.1 mg/m ³ (human)
	DNEL (consumer, long-term, local)	5.1 mg/m ³ (human)

17689-77-9 triacetoxymethylsilane

Inhalative	DNEL (worker, short-term, systemic)	32.5 mg/m ³ (human)
	DNEL (worker, long-term, systemic)	32.5 mg/m ³ (human)
	DNEL (consumer, long-term, local)	6.5 mg/m ³ (human)

· **PNECs**

64742-46-7 Distillates (petroleum), hydrotreated middle

PNEC oral	17,000 mg/kg food (.)
-----------	-----------------------

556-67-2 octamethylcyclotetrasiloxane

PNEC aqua (freshwater)	0.0015 mg/L (.)
PNEC aqua (marine water)	0.00015 mg/L (.)
PNEC STP - Sewage Treatment Plant	10 mg/L (.)
PNEC soil	0.84 mg/kg soil dw (.)
PNEC sediment (freshwater)	3 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0.3 mg/kg sedim. dw (.)
PNEC oral	41 mg/kg food (.)

4253-34-3 methylsilanetriyl triacetate

PNEC aqua (freshwater)	1 mg/L (.)
PNEC aqua (marine water)	0.1 mg/L (.)

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: Fermitopp E

(Contd. from page 5)

PNEC STP - Sewage Treatment Plant	10 mg/L (.)
PNEC soil	0.145 mg/kg soil dw (.)
PNEC sediment (freshwater)	3.4 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0.34 mg/kg sedim. dw (.)
PNEC aqua (intermittent releases)	10 mg/L (.)
17689-77-9 triacetoxylethylsilane	
PNEC aqua (freshwater)	0.2 mg/L (.)
PNEC aqua (marine water)	0.02 mg/L (.)
PNEC STP - Sewage Treatment Plant	1 mg/L (.)
PNEC soil	0.031 mg/kg soil dw (.)
PNEC sediment (freshwater)	0.74 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0.074 mg/kg sedim. dw (.)
PNEC aqua (intermittent releases)	1.7 mg/L (.)

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures**

Do not eat, drink or smoke while working.

The usual precautionary measures should be adhered to general rules for handling chemicals.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

- **Breathing equipment:**

Not necessary if room is well-ventilated.

Use breathing protection in case of insufficient ventilation.

Filter Type A.

- **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

To avoid skin problems reduce the wearing of gloves to the required minimum.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

- **Eye/face protection**



Tightly sealed safety glasses.

- **Body protection:** Not required.

EU

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: **Fermitopp E**

(Contd. from page 6)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state	Fluid
· Colour:	According to product specification
· Odour:	slight acetic
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	Not determined
· Flash point:	Not applicable
· SADT	
· Solubility	
· Water:	Insoluble
· Density and/or relative density	
· Density	Not determined
· Relative density	Not determined.

· 9.2 Other information

· Appearance:	
· Form:	Pasty
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.

· Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** Protect from moisture.
- **10.5 Incompatible materials:** No further relevant information available.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: Fermitopp E

(Contd. from page 7)

- **10.6 Hazardous decomposition products:** Ethanoic acid

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

64742-46-7 Distillates (petroleum), hydrotreated middle

Oral	LD50	> 5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 2,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50	4.6 mg/l/4h (rat) (OECD 403)

556-67-2 octamethylcyclotetrasiloxane

Oral	LD50	> 4,800 mg/kg (rat) (OECD 401)
Dermal	LD50	> 2,400 mg/kg (rat) (OECD 402)
Inhalative	LC50	36 mg/l/4h (rat) (OECD 403)

4253-34-3 methylsilanetriyl triacetate

Oral	LD50	1,550 mg/kg (rat) (OECD 401)
------	------	------------------------------

17689-77-9 triacetoxymethylsilane

Oral	LD50	1,460 mg/kg (rat) (OECD 401)
------	------	------------------------------

64359-81-5 4,5-dichloro-2-octyl-2H-isothiazol-3-one

Oral	LD50	567 mg/kg (ATE)
------	------	-----------------

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

- **Serious eye damage/irritation**

Causes serious eye damage.

- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

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

- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II
556-67-2	octamethylcyclotetrasiloxane	List II; III

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

64742-46-7 Distillates (petroleum), hydrotreated middle

EC50	7.38 mg/l/48h (Daphnia magna) (QSAR)
LC50	65 mg/l/96h (Oncorhynchus mykiss) (OECD 203)

556-67-2 octamethylcyclotetrasiloxane

EC50	> 0.022 mg/l/96h (Oncorhynchus mykiss) (OTS 797.1400)
LC50 (dynamic)	> 0.022 mg/l/96h (Oncorhynchus mykiss) (EPA OTS 797.1400)

17689-77-9 triacetoxymethylsilane

LC50	251 mg/l/96h (Brachydario rerio) (OECD 203)
------	---

- **12.2 Persistence and degradability** No further relevant information available.

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: Fermitopp E

(Contd. from page 8)

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**

· **PBT:**

541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

556-67-2 octamethylcyclotetrasiloxane

· **vPvB:**

541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

556-67-2 octamethylcyclotetrasiloxane

- **12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

- **12.7 Other adverse effects**

· **Additional ecological information:**· **General notes:**

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into soil.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

· **Recommendation**

Proceed according to local, official regulations.

Unused product has to be disposed as special waste.

The waste code numbers mentioned are recommendations based on the probable use of the product.

· **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
----------	---

08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
----------	---

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
-----------	--

HP8	Corrosive
-----	-----------

HP14	Ecotoxic
------	----------

- **Uncleaned packagings:**

· **Recommendation:**

Non contaminated packagings can be used for recycling.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14: Transport information

- **14.1 UN number or ID number**

· **ADR/RID, IMDG, IATA**

UN1760

- **14.2 UN proper shipping name**

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: Fermitopp E

(Contd. from page 9)

· ADR/RID	1760 CORROSIVE LIQUID, N.O.S. (Oligomere Ethylacetoxysilane und Methylacetoxysilane, triacetoxyethylsilane), ENVIRONMENTALLY HAZARDOUS
· IMDG	CORROSIVE LIQUID, N.O.S. (Oligomere Ethylacetoxysilane und Methylacetoxysilane, triacetoxyethylsilane), MARINE POLLUTANT
· IATA	CORROSIVE LIQUID, N.O.S. (Oligomere Ethylacetoxysilane und Methylacetoxysilane, triacetoxyethylsilane)

· 14.3 Transport hazard class(es)

· ADR/RID



· Class	8 (C9) Corrosive substances.
· Label	8

· IMDG



· Class	8 Corrosive substances.
· Label	8

· IATA



· Class	8 Corrosive substances.
· Label	8

· 14.4 Packing group

· ADR/RID, IMDG, IATA	III
------------------------------	-----

· 14.5 Environmental hazards:

· Marine pollutant:	No
· Special marking (ADR/RID):	Symbol (fish and tree) Symbol (fish and tree)

· 14.6 Special precautions for user

· Warning:	Corrosive substances.
· Kemler Number:	80
· EMS Number:	F-A,S-B
· Stowage Category	A
· Stowage Code	SW2 Clear of living quarters.

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:

· ADR/RID	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging:

(Contd. on page 11)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: Fermitopp E

(Contd. from page 10)

·	1000 ml
· Transport category	3
· Tunnel restriction code	E
<hr style="border-top: 1px dashed black;"/>	
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1760 CORROSIVE LIQUID, N.O.S. (OLIGOMERE ETHYLACETOXYSILANE UND METHYLACETOXYSILANE, TRIACETOXYETHYLSILANE), 8, III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** E2 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 70

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **National regulations**

- **Water hazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.

- **Substances of very high concern (SVHC) according to REACH, Article 57**

541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

556-67-2 | octamethylcyclotetrasiloxane

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

EU

(Contd. on page 12)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.01.2024

Version number 3 (replaces version 2)

Revision: 25.01.2024

Trade name: Fermitopp E

(Contd. from page 11)

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

- **Relevant phrases**

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- 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.
- H330 Fatal if inhaled.
- H361f Suspected of damaging fertility.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- EUH014 Reacts violently with water.

- **Department issuing data specification sheet:**

- ▶ **DEKRA** This Safety Data Sheet has been drawn up in cooperation with:
DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,
phone: (+49) 511 42079 - 0, reach@dekra.com.

© DEKRA Assurance Services GmbH. Changing this documents is subject to explicit acceptance by DEKRA Assurance Services GmbH.

- **Version number of previous version: 2**

- **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- ATE: Acute toxicity estimate values
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 2: Acute toxicity – Category 2
- Skin Corr. 1: Skin corrosion/irritation – Category 1
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Skin Sens. 1A: Skin sensitisation – Category 1A
- Repr. 2: Reproductive toxicity – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- **Sources**

Because of lack on recipe information, this SDS was created on the basis of the supplier's SDS.