

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

Printing date 18.02.2019

Version number 1

Revision: 18.02.2019

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

- **1.1 Product identifier**
- **Trade name: Fermitopp E**
- **UFI-Code:** PU50-K0QA-T00C-T6WW
- **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:** Tel.: +49 (0) 2645-2207

### SECTION 2: Hazards identification

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



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- **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**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
triacetoxymethylsilane  
methylsilanetriyl triacetate  
Oligomere Ethylacetoxysilane und Methylacetoxysilane  
acetic acid
- **Hazard statements**  
H319 Causes serious eye irritation.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P264 Wash thoroughly after handling.  
P280 Wear eye protection / face protection.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

· **Additional information:**

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

· **Information pertaining to particular dangers for man and environment**

There are analysis results available for this product or a product with a comparable composition which show an eye irritation but not an eye corrosion. This product is classified and labelled according to the analysis results.

Analysis results for this product or a product with comparable composition show no skin irritation. In accordance with these results the product is not labelled as skin irritant.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

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

· **Dangerous components:**

|   |   |                 |
|---|---|-----------------|
| CAS: 64742-47-8<br>EINECS: 265-149-8<br>Reg.nr.: 01-2119484819-18-X | Hydrocarbons, C12-C16, isoalkane, cyclene, <2% aromates<br>⚠ Asp. Tox. 1, H304  | 10 - 25%        |
| CAS: 64742-46-7<br>EINECS: 265-148-2<br>Reg.nr.: 01-2119489867-12-X | Distillates (petroleum), hydrotreated middle<br>⚠ Asp. Tox. 1, H304   | 10 - 25%        |
| CAS: 17689-77-9<br>EINECS: 241-677-4<br>Reg.nr.: 01-2119881778-15-X | triacetoxysilane<br>⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302   | ≥ 1 - < 2.5%    |
| CAS: 4253-34-3<br>EINECS: 224-221-9<br>Reg.nr.: 01-2119962266-32-X  | methylsilanetriyl triacetate<br>⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302   | ≥ 1 - < 2.5%    |
| CAS: 64-19-7<br>EINECS: 200-580-7<br>Reg.nr.: 01-2119475328-30-X    | acetic acid<br>⚠ Flam. Liq. 3, H226; ⚠ Skin Corr. 1A, H314<br>Specific concentration limits: Skin Corr. 1A; H314:<br>C ≥ 90 %<br>Skin Corr. 1B; H314:<br>25 % ≤ C < 90 %<br>Skin Irrit. 2; H315: 10 % ≤ C < 25 %<br>Eye Irrit. 2; H319: 10 % ≤ C < 25 % | < 2.5%          |
|   | Oligomere Ethylacetoxysilane und Methylacetoxysilane<br>⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318   | ≥ 1 - < 2.5%    |
| CAS: 540-97-6<br>EINECS: 208-762-8                                  | Dodecamethylcyclhexasiloxane  | ≤ 1%            |
| CAS: 556-67-2<br>EINECS: 209-136-7<br>Reg.nr.: 01-2119529238-36-X   | octamethylcyclotetrasiloxane<br>⚠ Flam. Liq. 3, H226; ⚠ Repr. 2, H361f; Aquatic Chronic 4, H413   | ≤ 1%            |
| CAS: 64359-81-5<br>EINECS: 264-843-8                                | 4,5-dichloro-2-octyl-2H-isothiazol-3-one<br>⚠ Acute Tox. 2, H330; ⚠ STOT RE 1, H372;<br>⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400 (M=100); ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317  | ≥ 0.1 - < 0.25% |

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|               |                               |
|---------------|-------------------------------|
| · <b>SVHC</b> |                               |
| 540-97-6      | Dodecamethylcyclohexasiloxane |
| 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**

Wash with water and soap.

If skin irritation continues, consult a doctor.

· **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· **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.

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

No further relevant information available.

### 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.

### 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.

· **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

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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.
- **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.

### 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.

#### 64-19-7 acetic acid

|                        |   |
|------------------------|---|
| WEL (Great Britain)    | Short-term value: 50 mg/m <sup>3</sup> , 20 ppm<br>Long-term value: 25 mg/m <sup>3</sup> , 10 ppm |
| IOELV (European Union) | Short-term value: 50 mg/m <sup>3</sup> , 20 ppm<br>Long-term value: 25 mg/m <sup>3</sup> , 10 ppm |

- **DNELs**

#### 64742-47-8 Hydrocarbons, C12-C16, isoalkane, cyclene, <2% aromates

|      |                                      |                         |
|------|--------------------------------------|-------------------------|
| Oral | DNEL (consumer, long-term, systemic) | 19 mg/kg bw/day (human) |
|------|--------------------------------------|-------------------------|

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

|            |                                      |                                 |
|------------|--------------------------------------|---------------------------------|
| Oral       | DNEL (consumer, long-term, systemic) | 1.3 mg/kg bw/day (human)        |
| Dermal     | DNEL (worker, long-term, systemic)   | 2.9 mg/kg bw/day (human)        |
| Inhalative | DNEL (worker, short-term, systemic)  | 5,003 mg/m <sup>3</sup> (human) |
|            | DNEL (worker, long-term, systemic)   | 16.4 mg/m <sup>3</sup> (human)  |

- **PNECs**

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

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

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

- **8.2 Exposure controls**
- **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.

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**Protection of hands:**

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 protection:**

Tightly sealed safety glasses.

**Body protection:** Not required.

### SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information****Appearance:**

|                |                                    |
|----------------|------------------------------------|
| <b>Form:</b>   | Pasty                              |
| <b>Colour:</b> | According to product specification |
| <b>Odour:</b>  | slight acetic                      |

**Change in condition**

|   |                |
|---|----------------|
| <b>Melting point/freezing point:</b>            | Not determined |
| <b>Initial boiling point and boiling range:</b> | Not determined |

**Flash point:** Not applicable

**Self-inflammability:** Product is not selfigniting.

**Explosive properties:** Product is not explosive.

**Density** Not determined  
**Relative density** 0.97

**Solubility in / Miscibility with**

**Water:** Insoluble

**9.2 Other information** No further relevant information available.

### 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.

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

### SECTION 11: Toxicological information

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

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

#### 64742-47-8 Hydrocarbons, C12-C16, isoalkane, cyclene, <2% aromates

|            |      |                                   |
|------------|------|-----------------------------------|
| Oral       | LD50 | > 5,000 mg/kg (rat) (OECD 420)    |
| Dermal     | LD50 | > 2,000 mg/kg (rabbit) (OECD 402) |
| Inhalative | LC50 | > 5.28 mg/l/4h (rat) (OECD 403)   |

#### 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)      |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

- **Repeated dose toxicity**

#### 64742-47-8 Hydrocarbons, C12-C16, isoalkane, cyclene, <2% aromates

|      |             |                        |
|------|-------------|------------------------|
| Oral | NOAEL (90d) | 750 mg/kg bw/day (rat) |
|------|-------------|------------------------|

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

#### 64742-47-8 Hydrocarbons, C12-C16, isoalkane, cyclene, <2% aromates

|               |   |
|---------------|---|
| NOEL (static) | 1 mg/l/48h (Pseudokirchneriella subcapitata) (OECD 201) |
|               | 0.3 mg/l/48h (Daphnia magna) (OECD 202)                 |
| NOEL          | 2 mg/l/96h (Oncorhynchus mykiss) (OECD 203)             |

#### 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) |

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

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- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### 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**

|      |   |
|------|---|
| HP 4 | Irritant - skin irritation and eye damage |
|------|---|

- **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

- |  |  |
|--|--|
| · <b>14.1 UN-Number</b>  | Void   |
| · <b>ADR, ADN, IMDG, IATA</b>  | Void   |
| · <b>14.2 UN proper shipping name</b>  | Void   |
| · <b>ADR, ADN, IMDG, IATA</b>  | Void   |
| · <b>14.3 Transport hazard class(es)</b>   | Void   |
| · <b>ADR, ADN, IMDG, IATA</b>  | Void   |
| · <b>Class</b>   | Void   |
| · <b>14.4 Packing group</b>  | Void   |
| · <b>ADR, IMDG, IATA</b>   | Void   |
| · <b>14.5 Environmental hazards:</b>   | No   |
| · <b>Marine pollutant:</b>   | No   |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable.                                      |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | Void   |

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### 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.

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- **National regulations**

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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

|          |                               |
|----------|-------------------------------|
| 540-97-6 | Dodecamethylcyclohexasiloxane |
| 556-67-2 | octamethylcyclotetrasiloxane  |

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

### 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.

- **Relevant phrases**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H361f Suspected of damaging fertility.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H413 May cause long lasting harmful effects to aquatic life.

- **Department issuing data specification sheet:**

This Material 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.

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- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

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Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
Repr. 2: Reproductive toxicity – Category 2  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

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