

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name: SilOil M20.195/235.20

No.: 6161, 6162

Print date: 20.11.2013

Valid from: November 2013

Version: 06.12.2012 / 3.0.0



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

### 1.1 Identification of the substance/mixture

Substance name: SilOil M20.195/235.20

No.: 6161, 6162

Chemical characterization: —

EC No: —

CAS No: —

REACH Registration No: —

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

**Relevant identified uses:**

Thermofluid.

**Uses advised against:**

None Known.

### 1.3 Identification of the company/supplier

**Supplier:**

Peter HUBER Kältemaschinenbau GmbH

**Street:**

Werner-von-Siemens-Str. 1

**Postal code:**

DE-77656 Offenburg

**Contact for technical information**

**Technical Support**

Tel.: +49 (0) 781 9603-244

Fax: +49 (0) 781 57211

Email: info@huber-online.com

### 1.4 Emergency telephone number

+49 2751/524-113

+49 179/6910027 (Mo-Fr 08:00-16:00 / 8.00am-4.00pm)

+49 (0) 61 31 1924 0 (Giftinfo Mainz, 24 h German and English)

+49 (0) 761-19 240 (Vergiftungs-Informationszentrale Freiburg)

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

None.

### 2.2 Label elements

None.

### 2.3 Other hazards

None.

## 3. Composition/information on ingredients

### 3.1 Mixtures

**Hazardous ingredients**

None.

## 4. First aid measures

### 4.1 Description of first aid measures

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## General information

Change contaminated, saturated clothing.

## After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

## In case of skin contact

Wash immediately with: Water and soap

## After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

## After ingestion

Do not induce vomiting. Rinse mouth thoroughly with water.

## Information to physician

Treatment: Treat symptomatically.

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

No information available.

## 4.3 Indication of any immediate medical attention and special treatment needed

None.

## 5. Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Foam. Water spray jet.

#### Unsuitable extinguishing media

Not known.

### 5.2 Special hazards arising from the substance or mixture

Not known.

### 5.3 Advice for fire-fighters

#### Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Light protective clothing.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3 Methods and material for containment and cleaning up

None.

### 6.4 Reference to other sections

None.

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## 7. Handling and storage

### 7.1 Precaution for safe handling

Wear personal protection equipment. (see chapter 8). Avoid contact with skin and eyes.

#### Protective measures

#### Fire prevent measures.

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharge.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Hints on joint storage

Storage class (TRGS 510) : 10

#### Further information on storage conditions

Keep/Store only in original container. Keep container tightly closed.

### 7.3 Specific end use(s)

None.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

None.

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye / face protection

Eye glasses with side protection.

##### Skin protection

##### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

##### Respiratory protection

Usually no personal respirative protection necessary.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state: Liquid.  
Colour: Different according to colour.  
Odour: Light.

#### Safety relevant basis data

Melting point / melting range : No data available.  
Boiling temperature / boiling range: ca. 200 °C  
Flash point: > 240 °C  
Ignition temperature : > 400 °C  
Density: ( 20 °C ) ca. 0,95 g/cm<sup>3</sup>  
Solubility in water: Insoluble  
Kinematic viscosity: ( 25 °C ) ca. 20 mm<sup>2</sup>/s

### 9.2 Other information

None.

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## 10. Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known.

### 10.2 Chemical stability

When using the recommended storage and handling conditions (see Section 7).

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

Keep away from sources of ignition. - No smoking.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

At temperatures higher than 150°C and in the presence of air formaldehyd can be generated in small amounts.

## 11. Toxicological information

### 11.1 Information on toxicological effects

According to current knowledge, polydimethylsiloxanes are not physiologically a problem; but contact with eyes can cause short time, harmless, reversible blurred vision, due to the formation of an oil film on the eye.

#### Acute effects

##### Acute oral toxicity

Parameter: LD50 ( POLYDIMETHYLSILOXANE )  
Exposure route: Oral  
Species: Rat  
Effective dose: > 5000 mg/kg

##### Acute dermal toxicity

Parameter: LD50 ( POLYDIMETHYLSILOXANE )  
Exposure route: Dermal  
Species: Rabbit  
Effective dose: > 10000 mg/kg

##### Acute inhalation toxicity

Parameter: LC50 ( POLYDIMETHYLSILOXANE )  
Exposure route: Inhalation  
Species: Rat  
Effective dose: > 535 mg/kg  
Exposure time : 1 h

#### Irritant and corrosive effects

##### Primary irritation to the skin

Not an irritant.

##### Irritation to eyes

Not an irritant.

##### Sensitisation

Not sensitising.

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## 12. Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter:	LC0 ( POLYDIMETHYLSILOXANE )
Species:	Leuciscus idus (golden orfe)
Evaluation parameter:	Acute (short-term) fish toxicity
Effective dose:	200 mg/l
Exposure time:	96 h

##### Bacteria toxicity

Parameter:	EC0 ( POLYDIMETHYLSILOXANE )
Species:	Pseudomonas putida
Effective dose:	> 10000 mg/l

##### Effects in sewage plants

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

### 12.2 Persistence and degradability

#### Abiotic degradation

The product can be eliminated from water by abiotic processes, e.g. adsorption on activated sludge.

#### Biodegradability

Not readily biodegradable (according to OECD criteria).

### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

### 12.7 Further ecological information

#### Additional information

No special environmental measures are necessary.

## 13. Disposal considerations

### 13.1 Waste treatment methods

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

## 14. Transport information

### 14.1 UN number

No dangerous goods in sense of this transport regulation.

### 14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

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## 14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

## 14.4 Packing group

No dangerous goods in sense of this transport regulation.

## 14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

## 14.6 Special precautions for user

None.

## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or Mixture

None

#### National regulations

##### Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

#### Additional information

##### Substance/product listed in the following inventories

TSCA AICS ENCS (Class 1 and 2) KECL DSL/NDSL PICCS IECSC EINECS/ELINCS

### 15.2 Chemical safety assessment

No information available.

## 16. Other information

### 16.1 Indication of changes

07. Hints on joint storage - Storage class · 08. Occupational exposure limit values.

### 16.2 Abbreviations and acronyms

Not known.

### 16.3 Key literature references and sources for data

None.

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008 [CLP]

None.

### 16.5 Relevant R-, H- and EUH-phrases (Number and full text)

None.

### 16.6 Training advice

None.

### 16.7 Additional information

None.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.