

Safety Data Sheet Page 1 of 4 according to Regulation (EC) No. 1907/2006

Print Date: 03.07.09

Revision Date: 05.05.09

Trade name: SilOil M20.235.20

1. Identification of the substance/preparation and of the company/undertaking:

Product details

Usage: Cooling oil

Supplier: Peter HUBER Kältemaschinenbau GmbH
Werner-von-Siemens-Str. 1
D-77656 Offenburg / Germany
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+961 348 72 87 (Lebanon) Middle East

2. Composition / information on ingredients

Chemical nature: Polydimethylsiloxane

3. Hazards identification

Risk advice to man and the environment

None known

4. First aid measures

Skin contact: After contact with skin, remove product mechanically. Use skin protection cream.

Eye contact: Rinse with plenty of water.

Ingestion: Drink 1 or 2 glasses of water. Do NOT induce vomiting.
Obtain medical attention.

5. Fire-fighting measures

Suitable extinguishing media: Carbon dioxide (CO₂)
Foam
Water spray
Dry powder

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USt-IdNr.: DE 811286033

Geschäftsführer: Peter Huber, Daniel Huber, Joe Huber

Sparkasse Offenburg-Ortenau

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6. Accidental release measures

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel.

7. Handling and storage:

Handling

Advice on safe handling: Product may charge electrostatically during pouring or filling.

Storage

Requirements for storage areas and containers: Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure controls / personal protection:

Personal protective equipment:

Hand protection

Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

Eye protection: Safety glasses with the side-shields conforming to EN166

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke.

9. Physical and chemical properties:

Appearance

Form: liquid
Colour: colourless
Odour: Faint distinctive odor

Safety data

pH: at (20°C)
neutral

Boiling point/boiling range: 200°C
at 1.013 hPa
Method: No information available.

Flash point: 240°C
Method: DIN 51376

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Ignition temperature:	> 400°C Method: DIN 51794
Vapour pressure:	> 0,0001 hPa at 20°C
Density:	0,95 g/cm ³ at 25°C Method: DIN 51757
Solubility/qualitative:	insoluble
Viscosity, kinematic:	ca. 20 mm ² /s at 25°C
Miscibility with water:	non miscible (< 10 %)

10. Stability and reactivity

Further information: Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.
No dangerous reaction if used as recommended.
No dangerous decomposition products if stored properly.
No decomposition if used appropriately.

11. Toxicological information

Acute oral toxicity: LD50 rat male and female
Dose: > 5.000 mg/kg

Skin irritation: rabbit
Exposure time: 24 h
Result: No skin irritation

Eye irritation: rabbit
Result: No eye irritation

Sensitisation: Magnusson-Kligmann guinea pig
Result: In tests with guinea-pigs, the product did not show a sensitizing effect (OECD 406; GPMT according to Magnusson-Kligman).

Mutagenicity: Negative in the Ames test.

Human experience: 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.

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12. Ecological information

Ecotoxicity effects

Toxicity to fish:

LC0

Species: Leuciscus idus

Dose: 200 mg/l

Exposure time: 96 h

Toxicity to microorganisms:

EC0

Species: Pseudomonas putida

Dose: > 10.000 mg/l

13. Disposal considerations

Product:

According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas cleaning.

14. Transport information

Further information:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Keep away from foodstuffs and animal feed.

15. Regulatory information

Labelling according to EC Directives

Further information:

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

The product does not need to be labelled in accordance with EC directives or respective national laws.

16. Other information

None known.

Further information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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