

Safety Data Sheet Page 1 of 4 according to 91/155/EWG, § 14 GefStoffV, TRGS 220

Revision Date: 15.07.04

Trade name: MinOil P20.190.40

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

Product details

Supplier:

Peter HUBER Kältemaschinenbau GmbH
Werner-von-Siemens-Str. 1
D-77656 Offenburg / Germany
Tel.: +49 (0)781/9603-0 Fax: +49 (0)781/57211

Emergency telephone:

B: National Antipoison Centre, Brussels +32 70 245 245
NL: Nationaal Vergiftigen Informatie Centrum, Utrecht +31 (0)30 274 8888.
(This tel. no. is only intended to inform medical professionals upon accidental

2. Composition / information on ingredients

No	Name	EC-No.	CAS-No.	%-mass	Symbol(s)	R Phrase
1	Severely solvent refined mineral Oil (IP346 DMSO extract < 3%)	265-159-2/ 265-169-7	34742-56-9/ 64742-65-0	100 -	- -	- -

No substances are present in concentrations regarded to present a hazard (Directive 1999/45/EC).

3. Hazards identification

Health:

Unlikely to cause eye irritation.
Unlikely to cause immediate irritation but prolonged and repeated contact may be harmful to the skin.
Not volatile. It is not likely to be an inhalation hazard at normal ambient temperatures.
If overheated, fumes and vapours are slightly irritating to the breathing passages and lungs.
Ingestion is unlikely to cause adverse systemic health effects.

Environmental:

Although no specific ecological hazards are expected and bioaccumulation is unlikely, spillage into the environment should always be avoided.

Physical/Chemical:

Not applicable

Additional information: None

4. First aid measures

Eyes:

Flush the eye with copious amounts of water. No emergency measures are necessary but if adverse eye effects follow, refer for medical attention.

Skin:

Wash the contaminated skin thoroughly with soap and water. No emergency measures are necessary but if adverse skin effects follow, refer for medical attention.

Inhalation:

Remove the affected person to fresh air. If recovery is not rapid, obtain medical attention.

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www.huber-online.com
info@huber-online.com

Erfüllungsort und Gerichtsstand 77656 Offenburg
Amtsgericht Freiburg HRB 470917
Steuernummer: 14044/00050, Finanzamt Offenburg
USt-IdNr.: DE 811286033

Geschäftsführer: Peter Huber, Daniel Huber, Joe Huber

Sparkasse Offenburg-Ortenau

BLZ 664 500 50
Konto 5 092
Swift/BIC SOLA DE SI
IBAN DE 17 6645 0050 0000 0050 92

BW-Bank Stuttgart

BLZ 600 501 01
Konto 741 3500 626
Swift/BIC SOLA DE ST
IBAN DE 92 6005 0101 7413 5006 26

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Ingestion: DO NOT INDUCE VOMITING. No emergency measures are needed but if adverse health effects follow, refer for medical attention.

Additional Information: None

5. Fire-fighting measures

Extinguishing media: **Recommended:** Dry chemical, foam, CO₂, water mist.
 Not to be used: Direct water jet. Use water ONLY to keep fire-exposed containers cool

Specific exposure hazards: Slight flammability hazard when exposed to heat or flame.

Special protective equipment for firefighters: Use self-contained breathing equipment when fighting fire in confined spaces

6. Accidental release measures:

Personal precautions: No special measures needed.
Environmental precautions: Water may be used to flush spills away from sources of ignition. Do not allow the product to enter public drainage system or open water courses.

Methods for cleaning up: Absorb and scrape up.
Absorbent materials: Sand or active clay.

7. Handling and storage:

Handling: Avoid prolonged or repeated skin contact.
 Avoid inhalation of vapour, mist or fume.
 Do not wear contaminated clothing.

Storage: Keep containers tightly closed.

8. Exposure controls / personal protection:

Engineering measures: No special measures needed.
Control parameters: TWA TLV (ACGIH): 5 mg/m³ for oil mist. However, in all circumstances exposure should be kept as low as reasonably possible by good ventilation and safe working practices.
Respiratory protection: Inhalation of the vapours, fumes or mists should be avoided by safe working practices and good ventilation.
Eye protection: If there is a risk of splashing while handling product, eye protection should be worn (e.g. full face shield or goggles with side shields).

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Hand/skin protection: No special precautions are needed beyond clean working conditions and safe handling practices.
PVC or nitrile gloves may be suitable.

9. Physical and chemical properties:

Physical state:	Oily liquid
Colour:	Light yellow
Appearance:	Bright & clear
Odour:	Weak
pH:	Neutral
Boiling range, °C:	Initial boiling point > 300
Melting Point, °C:	-12
Flash Point, °C:	> 184 (ASTM D93, P-M)
Autoflammability/ignition, °C:	> 250
Upper explosion limit:	Not known
Lower explosion limit:	Not known
Vapour pressure, 20°C, kPa:	< 0.01
Viscosity, kinematic, 15°C:	0.85 – 0.89
Water solubility:	Not soluble
Partition coefficient, n-octanol/water:	> 3
Other data:	None

10. Stability and reactivity

Conditions/materials to avoid: Stable. May react with strong oxidizing agents.
Hazardous decomposition products: Thermal decomposition or incomplete combustion may produce oxides of carbon and irritating fumes.

11. Toxicological information

Eyes: Unlikely to cause eye irritation.
Skin: Unlikely to cause immediate irritation but prolonged and repeated contact may be harmful to the skin.
Inhalation: Not volatile. It is not to be an inhalation hazard at normal ambient temperatures.
If overheated, fumes and vapours are slightly irritated to the breathing passages and lungs.
Ingestion: Ingestion is unlikely to cause adverse systemic health effects.
Other: None

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12. Ecological information

Mobility:	Little mobility in soil. Some components may penetrate the soil causing ground water pollution. Will spread on the water surface.
Degradability:	Not readily biodegradable.
Ecotoxicity/bioaccumulation:	Not expected to be dangerous for the aquatic environment. WGK: 1

13. Disposal considerations

Transport to authorized waste location, or incinerate under controlled conditions (EU Directives 2000/76/EC and 1999/31/EC apply).

European Waste Catalogue Code 13 03 07: Mineral-based non-chlorinated insulating and heat transmission oils

14. Transport information

UN-no:	Not classified
RID / ADR:	Not classified
IMO:	Not classified
IATA /ICAO:	Not classified
Other:	–

15. Regulatory information

EC Labelling / Classification:	
Symbols(s):	None
Contains:	–
R phrases:	None
S phrases:	None
Other regulations:	–

16. Other information

Customers are responsible for the proper storage, use and handling of the product and for determining whether the product is fit for the use to which it is put. The information does not describe health and safety aspects of the product once it has been misused or mishandled or when it is mixed with any other product. This document is in accordance with 2001/58/EC and ISO 11014-1.

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