

Safety Data Sheet

Trade name: MinOil P20.190.40
No.: 6155, 6156

Print date: 20.11.2013
Valid from: Dec. 2012

Version: 15.07.2004



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

1.1 Identification of the substance/mixture

Substance name: **MinOil P20.190.40**

No.: **6155, 6156**

Classification: severely solvent refined mineral Oil (IP346 DMSO extract < 3%)

Other means of identification:

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

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

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

Relevant identified uses:
Thermofluid.

Uses advised against: —

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

B: National Antipoison Centre, Brussels +32 70 245 245

NL: Nationaal Vergiftigingen Informatie Centrum, Utrecht +31 (0)30 274 8888.

(This tel. no. is only intended to inform medical professionals upon accidental poisoning)

+49 (0) 61 31 1924 0 (Giftinfo Mainz, 24 h in Deutsch und Englisch)

2. Hazards identification

2.1 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.

2.2 Environmental

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

2.3 Physical/Chemical

Not applicable.

2.4 Additional information

None.

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3. Composition/information on ingredients

3.1 Substances

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

4. First aid measures

4.1 Description of 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.

Ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

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4.3 Indication of any immediate medical attention and special treatment needed

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5. Firefighting measures

5.1 Extinguishing media

Recommended: Dry chemical, foam, CO₂, water mist.

Unsuitable extinguishing media:

Not to be used: Direct water jet. Use water ONLY to keep fire-exposed containers cool.

5.2 Specific exposure hazards

Slight flammability hazard when exposed to heat or flame.

5.3 Advice for fire-fighters

Special protective equipment for firefighters:

Use self-contained breathing equipment when fighting fire in confined spaces.

6. Accidental release measures

6.1 Personal precautions

No special measures needed

6.2 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.

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6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

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7. Handling and storage

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed.

7.3 Specific end uses

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8. Exposure controls/personal protection

8.1 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.

Engineering measures: No special measures needed.

8.2 Personal protective equipment

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).

Hand/skin protection

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

Respiratory protection

Inhalation of the vapours, fumes or mists should be avoided by safe working practices and good ventilation.

8.3 Environmental exposure controls

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Oily liquid.
Colour:	Light yellow.
Odour:	Weak.
Appearance:	Bright & clear.

Safety relevant basic data

pH:	Neutral
Melting point (°C):	-12
Boiling range (°C):	Initial boiling point > 300
Flash point (°C):	> 184 (ASTM D93, P-M)

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Autoflammability / ignition (°C):	> 250
Upper/lower flammability or explosive limits:	Not known.
Vapour pressure, 20°C, kPa:	< 0.01
Relative density, 15 °C:	0.85-0.89
Water solubility:	Not soluble.
Partition coefficient, n-octanol / water:	> 3
Viscosity, kinematic, 40 °C, mm ² /s:	> 12

9.2 Other safety information

10. Stability and reactivity

10.1 Conditions/materials to avoid

Stable. May react with strong oxidizing agents.

10.2 Hazardous decomposition products

Thermal decomposition or incomplete combustion may produce oxides of carbon and irritating fumes.

11. Toxicological information

11.1 Information on toxicological effects

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.

LD50 (oral, rat): >5000 mg/kg.

11.2 Other information

None.

12. Ecological information

12.1 Degradability

Not readily biodegradable.

12.2 Ecotoxicity/bioaccumulation

Not expected to be dangerous for the aquatic environment.

WGK: 1

12.3 Mobility

Little mobility in soil. Some components may penetrate the soil causing ground water pollution. Will spread on the water surface.

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

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14. Transport information

14.1 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

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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.