

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

Printing date 23.07.2012

Revision: 23.07.2012

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

- 1.1 Product identifier
  - Trade name: **Kältemaschinenöl BSE 55**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
- Application of the substance / the preparation: Lubricant
- 1.3 Details of the supplier of the safety data sheet
- **Manufacturer/Supplier:**  
FUCHS EUROPE SCHMIERSTOFFE GMBH EXPORT DIVISION  
Friesenheimer Str. 19  
D-68169 Mannheim  
Tel: ++49 (0)621/3701-0 (Switch Board)  
Fax: ++49 (0)621/3701-570
- **Informing department:**  
Product safety department  
Tel: +49 (0)621 3701-1333 or -1313  
Fax: 0621/3701-7303  
E-Mail: Produktsicherheit@fuchs-europe.de
- 1.4 **Emergency telephone number:**  
Tel: +49 (0)621 3701-1333 or +49 (0)621 3701-0 (Switch Board)

**SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008  
The substance is not classified according to the CLP regulation.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC  
By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.  
Void
- Information concerning particular hazards for human and environment:  
This product is water polluting; see item 12.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients**

- 3.1 Chemical characterization: Substances
- ID No. Designation:  
Synthetic ester  
synthetic ester
- Identification number(s): Composition

**SECTION 4: First aid measures**

- 4.1 Description of first aid measures
- **General information**  
Change clothes and shoes contaminated or soaked by the product.  
Never put rags contaminated by the product into cloth-pockets.
- After inhalation Seek medical treatment in case of complaints.
- After skin contact Instantly wash with water and soap and rinse thoroughly.
- After eye contact Rinse opened eye for several minutes under running water.
- After swallowing Seek medical treatment.
- 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.

(Contd. on page 2)

**Safety data sheet**  
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Trade name: Kältemaschinenöl BSE 55

(Contd. of page 1)

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.  
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
In case of fire fighting: wear self containing breathing apparatus

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/ spilled product.
- **6.2 Environmental precautions:**  
Prevent from spreading (e.g. by binding or oil barriers).  
Do not allow to enter the ground/ soil.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections** No dangerous materials are released.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** Prevent formation of aerosols.
- **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:** No special requirements.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.
- **Further information about storage conditions:**  
None.  
Local regulations concerning handling and storage of water polluting substances have to be followed.
- **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical systems:**  
No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**
- | CAS No.   | Designation of material | % | Type | Value | Unit |
|---|-------------------------|---|------|-------|------|
| The product itself does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. |                         |   |      |       |      |
- **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**  
The usual precautionary measures should be adhered to in handling the chemicals and the mineral oil products.  
Avoid close or long term contact with the skin.  
Use skin protection cream for preventive skin protection.  
Do not carry cleaning cloths impregnated with the product in trouser pockets.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves**

(Contd. on page 3)

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(Contd. of page 2)

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.
- **Eye protection:** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

**SECTION 9: Physical and chemical properties**

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

Form:	Fluid
Colour:	Light yellow
Smell:	Characteristic
- **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
- **Flash point:** 270°C (ISO 2592)
- **Ignition temperature:**

Decomposition temperature:	Not determined
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- **Danger of explosion:** Product is not explosive.
- **Density at 15°C** 1.01 g/cm<sup>3</sup> (DIN 51 757)
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix
- **Viscosity or Consistency-Class:**

kinematic at 40°C:	55 mm <sup>2</sup> /s (DIN 51 562)
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- **9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
  - on the skin: No irritant effect known.
  - on the eye: No irritant effect known.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects according to our actual informations.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No data available
- **12.4 Mobility in soil** No further relevant information available.

(Contd. on page 4)

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(Contd. of page 3)

**Ecotoxicological effects:****Behaviour in sewage processing plants:**

The product sinks in the sewage water on account of its high specific gravity; eventually it is able to pass the conventional collector for light-density material.

**Additional ecological information:****General notes:**

German Water Endangering Class 2 (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system.  
Danger to drinking water if even small quantities leak into soil.

**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**

Smaller quantities have to be disposed in line with local legislation.  
When storing used mineral oil products, ensure that the categories for waste oil and mixing instructions are observed.  
Delivery of waste oil only to officially authorized collectors.

**European waste catalogue**

13 02 08 other engine, gear and lubricating oils

**Uncleaned packagings:****Recommendation:**

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Small one-way packagings have to be disposed according to the local regulations.

EWC 15 01 02 e.g. 15 01 04.

**SECTION 14: Transport information****14.1 UN-Number**

ADR, ADN, IMDG, IATA Void

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA Void

**Class**

ADR, IMDG, IATA Void

**14.4 Packing group**

ADR, IMDG, IATA Not applicable.

**14.6 Special precautions for user**

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

**Transport/Additional information:**

No dangerous good acc. to dangerous goods/transport directions.

**UN "Model Regulation":****SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****German Water Hazard Class:**

Water Endangering Class 2 (Self-assessment): hazardous for water.

**Other regulations, limitations and prohibitive regulations**

Substances of very high concern (SVHC) according to REACH, Article 31 out of the recent list: none

**15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

All ingredients are listed in the European Inventories.

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. This data sheet is a safety data sheet according to 1907/2006/EC, article 31. For products which are not subject to classification

(Contd. on page 5)

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(Contd. of page 4)

according to EU lists this data sheet is made on a voluntary base.

• **Department issuing data specification sheet:**

FUCHS EUROPE SCHMIERSTOFFE GMBH Export Division  
Product Safety Departement

• **Contact:**

Product Safety Departement:  
Tel: +49(0)621 3701-1333 Frau Ehrenfeld

• **Validity:**

With this latest edition of this MSDS all former editions are not valid any longer.

Changed items are marked with "\*\*".