

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.07.2013

Revision: 26.07.2013

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

- 1.1 Product identifier
 - Trade name: **Kältemaschinenöl B320 SX**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
 - No uses advised against identified.
- Application of the substance / the preparation: Lubricant
- 1.3 Details of the supplier of the safety data sheet
 - Manufacturer/Supplier:
 - FUCHS EUROPE SCHMIERSTOFFE GMBH
 - 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)

EXPORT DIVISION

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.
 - The product is not classified according to Directive 67/548/EEC or Directive 1999/45/EC
 - Void
- Information concerning particular hazards for human and environment: void
- 2.2 Label elements
 - Labelling according to Regulation (EC) No 1272/2008 Void
 - Hazard pictograms Void
 - Signal word Void
 - Hazard statements Void
 - Additional information: 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:
 - Ester
- Identification number(s): Single substance

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 The product is not skin irritating.
 - 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.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with alcohol resistant foam or surfactant containing water jet.
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.
In spite of not water pollution:
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
No dangerous materials are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

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:**
Use only containers specifically permitted for this substance/product.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
- **Further information about storage conditions:** None.
- **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:**
The product does not contain any relevant quantities of materials with TLVs / WELs 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 or the mineral oil products.
Avoid close or long term contact with the skin.
Use skin protection cream for preventive skin protection.
- **Breathing equipment:** Avoid breathing vapour/ aerosol.
- **Protection of hands:**
Protective gloves, where permitted in acc. to safety directions.
- **Material of gloves**
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.

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- * **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 (EN 166) 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: Yellow
- * **Smell:** Characteristic
- * **Odour threshold:** Not determined.
- * **pH-value:** Not determined.
- * **Change in condition**
 - Melting point/Melting range: -33 °C
 - Boiling point/Boiling range: Not determined
- * **Flash point:** 281 °C
- * **Inflammability (solid, gaseous)** Not applicable.
- * **Ignition temperature:**
 - Decomposition temperature: Not determined
- * **Self-inflammability:** Not determined.
- * **Danger of explosion:** Product is not explosive.
- * **Critical values for explosion:**
 - Lower: Not determined.
 - Upper: Not determined.
- * **Vapour pressure:** Not determined.
- * **Density at 20 °C** 1.013 g/cm³ (DIN 51 757)
- * **Relative density** Not determined.
- * **Vapour density** Not determined.
- * **Evaporation rate** Not determined.
- * **Solubility in / Miscibility with Water:** Not determined.
- * **Partition coefficient (n-octanol/water):** Not determined.
- * **Viscosity or Consistency-Class:**
 - dynamic: Not determined.
 - kinematic at 40 °C: 330 mm²/s (DIN 51 562)
- * **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.

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• **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our actual informations. The material is not subject to classification according to EC lists in the last version.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is easily biodegradable.
- **12.3 Bioaccumulative potential** No data available
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Behaviour in sewage processing plants:** The product swims on the water surface.
- **Additional ecological information:**
- **General notes:**
Generally not hazardous for water.
Not known to be hazardous to water.
Nevertheless: Do not allow the product to reach ground water/ water bodies and/ or sewage systems.
- **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 products, ensure that the waste categories and mixing instructions are observed.
Delivery of waste products 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**
- **Class** Void
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **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":** -

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SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations
- German Water Hazard Class: Generally not 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 according to EU lists this data sheet is made on a voluntary base.

- Department issuing safety data sheet:
FUCHS EUROPE SCHMIERSTOFFE GMBH Export Division
Product Safety Department
- Contact:
Product Safety Department:
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- Validity:
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