

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

Printing date 20.03.2013

Revision: 20.03.2013

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

- **1.1 Product identifier**
- **Trade name: KAEITEMASCHINENOEL BSE 85 K**
- **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 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.  
.....  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
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- **Information concerning particular hazards for human and environment:**  
This product is water polluting; see item 12.
- **Classification system:**  
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.  
The classification results from the Conventional Method of the Directive 1999/45/EC concerning specific data of compounds and the Directive 75/324/EC  
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- **2.2 Label elements**
- **Labelling according to EU guidelines:**  
The product is subject to identification regulations under EC Directives until 2008/1272/EC (1. CLP-ATP) and the Ordinance on Hazardous Materials.  
Observe the normal safety regulations when handling chemicals or mineral oil products.
- **Risk phrases:**  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**  
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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

- **3.2 Chemical characterization: Mixtures**
- **Description:** Mixture of synthetic base oils with additives.
- **Dangerous components / Hazard communications / Concentration range %**  
confidential aromatic phosphoric acid ester derivative 0.1-1%  
    ☠ N R50/53  
    ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410
- **Additional information**  
For the wording of the listed risk phrases refer to section 16.

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**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.

**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:**  
Do not allow to enter drainage system, surface or ground water.  
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:**  
Do not heat up to temperatures close to the flash point.
- **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:**  
Local regulations concerning handling and storage of water polluting products 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:**  
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.

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- **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.  
Wash hands during breaks and at the end of the work.  
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:** Protective gloves (EN374) and protective skin cream.
- **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. 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.
- **For the permanent contact gloves made of the following materials are suitable:**  
Nitrile rubber, NBR  
Neoprene gloves
- **Not suitable are gloves made of the following materials:**  
Butyl rubber, BR  
Natural rubber, NR
- **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:	Yellowish
- **Smell:** Nearly odourless
- **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	not applicable or not determined
- **Flash point:** 246 °C (ISO 2592)
- **Ignition temperature:**

Decomposition temperature:	Not determined
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- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive.
- **Density at 15 °C** 0.99 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:	80 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

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**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:**  
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.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Behaviour in sewage processing plants:** The product swims on the water surface.
- **Additional ecological information:**
- **General notes:**  
Harmful to aquatic organisms  
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 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.

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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:**  
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

**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.

• **Relevant phrases**

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• **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 "\*".

- **\* Data compared to the previous version altered.**