

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 25.07.2007

Revision: 24.07.2007

## 1 Identification of substance:

- **Product details:**
- **Trade name:** **BERULUB SIHAF 2**
- **Application of the substance / the preparation** Lubricant
- **Manufacturer/Supplier:**  
CARL BECHEM GMBH  
Weststrasse 120  
58089 Hagen, Germany  
Phone +49 (0)2331 935-0  
Fax +49 (0)2331 935-1199  
E-Mail: bechem@bechem.de
- **Informing department:**  
product safety department  
-----  
Heiko Fanieng - fanieng@bechem.de  
Werner Hensel - hensel@bechem.de
- **Emergency information:** + 49 (0) 2331 935-0 (during office hours)

## 2 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man and environment** void
- **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.
- **Additional information:**  
Please take care of the precautions for the treatment of fluorine containing products. Dangerous decomposition products may be formed at temperatures exceeding 300 °C.

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Preparation of organic thickener in synthetic oil with additives.
- **Dangerous components:** Void

## 4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air.
- **After skin contact** Wash with water and soap and rinse thoroughly.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** Seek medical treatment.

## 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or flue gases:**  
Carbonmonoxide (CO) and carbondioxide (CO<sub>2</sub>)  
Hydrogen fluoride (HF)
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
Wear self-contained breathing apparatus.

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Wear full protective suit.

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### 6 Accidental release measures

- **Person-related safety precautions:** Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or water bodies.
- **Measures for cleaning/collecting:**  
Collect mechanically.  
Dispose of the material collected according to regulations.

### 7 Handling and storage

- **Handling**
- **Information for safe handling:** Do not smoke when handling the product.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**
- **Recommended storage temperature:**  
Stability in storage is given with correct storage in temperature range from 5°C to max.30°C.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to when handling the lubricant.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves.
- **Material of gloves:** Nitrile rubber, NBR
- **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.
- **Not suitable are gloves made of the following materials:**  
Leather gloves  
Strong gloves
- **Eye protection:** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties:

#### · General Information

<b>Form:</b>	Paste
<b>Colour:</b>	White
<b>Smell:</b>	Characteristic

#### · Change in condition

**Melting point/Melting range:** Not determined

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<b>Boiling point/Boiling range:</b>	Not determined
<b>Dropping point:</b>	>240°C (IP 396)
· <b>Flash point:</b>	Not applicable
· <b>Self-inflammability:</b>	Product is not self igniting.
· <b>Danger of explosion:</b>	Product is not explosive.
· <b>Density at 20°C</b>	ca.1.2 g/cm <sup>3</sup> (DIN 51757)
· <b>Solubility in / Miscibility with Water:</b>	insoluble

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

To avoid thermal decomposition do not overheat.

- **Dangerous reactions** Reacts with oxygen

- **Dangerous products of decomposition:**

Danger of toxic fluorine based pyrolysis products  
Carbon monoxide and carbon dioxide

## 11 Toxicological information

- **Acute toxicity:**

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** light irritation possible

- **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## 12 Ecological information:

- **Information about elimination (persistence and degradability):**

- **Other information:** The product is slightly biodegradable.

- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

## 13 Disposal considerations

- **Product:**

- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

It is not possible to state the European waste code from the CE catalogue since the classification of these codes is done according to the individual industries. Therefore several codes can be related to one product. The correct classification can be done by the user only.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

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## 14 Transport information

- Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)
- ADR/RID-GGVS/E Class: -

- Maritime transport IMDG/GGVSea:
- IMDG/GGVSea Class: -
- Marine pollutant: No

- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

- **Transport/Additional information:** Not dangerous according to the above specifications.

## 15 Regulatory information

- **Designation according to EC guidelines:**  
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

## 16 Other information:

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:** product safety department
- **Contact:** produktsicherheit@bechem.de
- \* **Data compared to the previous version altered.**

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