

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

### 1.1 Product identifier

Trade name: **BECHEM High-Lub FA 67-2**

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

Relevant identified uses: Lubricant

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

CARL BECHEM GMBH  
Weststraße 120  
58089 Hagen, Germany  
Phone +49 2331 935-0  
Fax +49 2331 935-1199  
Email: bechem@bechem.de  
http://www.bechem.com

Informing department: product safety department : ps@bechem.com

1.4 Emergency telephone number: +49 2331 935-1500

Code: 9003071

## \* SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the GHS regulation.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

#### Additional information:

Contains Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

Safety data sheet available on request.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixture

Description: Mixture of the substances listed below with harmless additions.

#### Dangerous components:

CAS: 68457-79-4	Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	< 1.0%
EINECS: 270-608-0	Xi R38-41; N R51/53	
	Eye Dam. 1, H318; Aquatic Chronic 2, H411; Skin Irrit. 2, H315	

Additional information For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

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.

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

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.

Trade name: **BECHEM High-Lub FA 67-2**

(Contd. of page 1)

**5.2 Special hazards arising from the substance or mixture**Carbonmonoxide (CO) and carbondioxide (CO<sub>2</sub>)Sulphur dioxide (SO<sub>2</sub>)**5.3 Advice for firefighters****Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear self-contained breathing apparatus.

Wear full protective suit.

**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 product to reach sewage system or water bodies.**6.3 Methods and material for containment and cleaning up:**

Collect mechanically.

Dispose of the material collected according to regulations.

**6.4 Reference to other sections**

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** No special measures required.**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:** Store only in the original container.**Information about storage in one common storage facility:** Store away from oxidising agents.**Further information about storage conditions:** None.**Recommended storage temperature:** room temperature**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 critical values that have to be monitored at the workplace.

**8.2 Exposure controls****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**Body protection:** Protective work clothing.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:****Form:** Paste**Colour:** Dark yellow**Smell:** Mineral-oil-like**Change in condition****Melting point/Melting range:** Not determined**Boiling point/Boiling range:** Not determined**Dropping point:** >170 °C

(Contd. on page 3)

Trade name: **BECHEM High-Lub FA 67-2**

(Contd. of page 2)

<b>Flash point:</b>	> 220 °C base oil
<b>Ignition temperature:</b>	~ 310 °C base oil
<b>Danger of explosion:</b>	Not determined
<b>Density at 20 °C</b>	0.93 g/cm <sup>3</sup>
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	insoluble
<b>Viscosity:</b>	
<b>kinematic:</b>	Not applicable
<b>9.2 Other information</b>	No further relevant information available.

**SECTION 10: Stability and reactivity****10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**10.3 Possibility of hazardous reactions** Reacts with strong acids and oxidizing agents**10.4 Conditions to avoid** To avoid thermal decomposition do not overheat.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:**

None in case of appropriate storage/handling/transport.

During thermal decomposition:

Hydrogen sulphide

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity** Based on available data, the classification criteria are not met.**Primary irritant effect:****Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**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 further relevant information available.**12.4 Mobility in soil** No further relevant information available.**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**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

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

ADR, ADN, IMDG, IATA

Void

(Contd. on page 4)

Trade name: **BECHEM High-Lub FA 67-2**

(Contd. of page 3)

<b>14.2 UN proper shipping name</b>	
<b>ADR, ADN, IMDG, IATA</b>	Void
<b>14.3 Transport hazard class(es)</b>	
<b>ADR, ADN, IMDG, IATA</b>	
<b>Class</b>	Void
<b>14.4 Packing group</b>	
<b>ADR, IMDG, IATA</b>	Void
<b>14.5 Environmental hazards:</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.

<b>SECTION 15: Regulatory information</b>
-------------------------------------------

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

<b>SECTION 16: Other information</b>
--------------------------------------

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.

**Relevant phrases**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Department issuing data specification sheet:** product safety department**Contact:** ps@bechem.com**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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