

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

#### 1.1 Product identifier

**Product name:** PBC/D ANTI SEIZE GREASE

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

**Identified uses:** Lubricating grease

**Uses advised against:** No uses advised against identified.

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

**Manufacturer / Supplier**

FUCHS LUBRICANTS (UK) PLC.  
New Century Street  
Hanley  
Stoke-on-Trent, Staffordshire, ST1 5HU  
UK

Telephone: +44 (0) 1782 203700

**Contact Person:**

Telephone: Product Safety department  
+44 (0) 1782 203700  
E-mail: product.safety@fuchs-oil.com

**1.4 Emergency telephone number:** UK NHS: Dial 111. Ireland NPIS: Dial +353 1 8092566.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 as amended.**

**Environmental Hazards**

Acute hazards to the aquatic environment	Category 1	H400: Very toxic to aquatic life.
Chronic hazards to the aquatic environment	Category 3	H412: Harmful to aquatic life with long lasting effects.

**Hazard summary**

**Physical Hazards:** No data available.

#### 2.2 Label Elements

**Product name:** PBC/D ANTI SEIZE GREASE



**Signal Words:** Warning

**Hazard Statement(s):** H410: Very toxic to aquatic life with long lasting effects.

**Precautionary Statement**

**Prevention:** P273: Avoid release to the environment.

**2.3 Other hazards:** The product may not be released into the environment without control. By handling of chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

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

**3.2 Mixtures**

**|| General information:** Mixture of the substances listed below with harmless additions.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Copper	EINECS: 231-159-6	10,00 - <25,00%		

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.  
PBT: persistent, bioaccumulative and toxic substance.  
vPvB: very persistent and very bioaccumulative substance.

**Classification**

Chemical name	Identifier	Classification
Copper	EINECS: 231-159-6	CLP: Acute Tox. 4;H302, Aquatic Chronic 2;H411, Aquatic Acute 1;H400; M-Factor (aquatic acute): 10

CLP: Regulation No. 1272/2008.

For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures**

**General:** Instantly remove any clothing soiled by the product.

**4.1 Description of first aid measures**

**Inhalation:** Supply fresh air; consult doctor in case of symptoms.

**Eye contact:** Promptly wash eyes with plenty of water while lifting the eye lids.

**Skin Contact:** Wash with soap and water.

**Ingestion:** Rinse mouth thoroughly.

**Product name:** PBC/D ANTI SEIZE GREASE

- 4.2 Most important symptoms and effects, both acute and delayed:** No data available.
- 4.3 Indication of any immediate medical attention and special treatment needed:** Get medical attention if symptoms occur.

#### SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
- Suitable extinguishing media:** CO<sub>2</sub>, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added
- Unsuitable extinguishing media:** Water with a full water jet.
- 5.2 Special hazards arising from the substance or mixture:** During fire, gases hazardous to health may be formed.
- 5.3 Advice for firefighters**
- Special fire fighting procedures:** Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.
- Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** In case of spills, beware of slippery floors and surfaces.
- 6.2 Environmental Precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
- 6.3 Methods and material for containment and cleaning up:** Scrape up spillage or absorb with absorbing material. Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.
- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

**Product name:** PBC/D ANTI SEIZE GREASE

**SECTION 7: Handling and storage:**

**7.1 Precautions for safe handling:** Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.

**7.2 Conditions for safe storage, including any incompatibilities:** Local regulations concerning handling and storage of waterpolluting products have to be followed.

**7.3 Specific end use(s):** not applicable

**Storage Class:** 11, Combustible solids

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

**8.1 Control Parameters**

**Occupational Exposure Limits**

Chemical name	type	Exposure Limit Values	Source
Copper - Inhalable dusts and mists. - as Cu	TWA	1 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Copper - Inhalable dusts and mists. - as Cu	STEL	2 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Copper - Fume.	TWA	0,2 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Alumina silicate - Inhalable	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Alumina silicate - Respirable.	TWA	0,8 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
aluminium powder (pyrophoric), aluminium powder (stabilised) - Inhalable dust.	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
aluminium powder (pyrophoric), aluminium powder (stabilised) - Respirable dust.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Solid lubricant - Inhalable dust.	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Solid lubricant - Respirable dust.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

**8.2 Exposure controls**

**Appropriate engineering controls:** Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Product name:** PBC/D ANTI SEIZE GREASE

<b>General information:</b>	Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.
<b>Eye/face protection:</b>	Safety glasses (EN 166) recommended during refilling.
<b>Skin protection</b>	
<b>Hand Protection:</b>	Avoid long-term and repeated skin contact. Protective gloves, where permitted in acc. to safety directions.
<b>Other:</b>	Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.
<b>Respiratory Protection:</b>	Not relevant, due to the form of the product.
<b>Thermal hazards:</b>	Not known.
<b>Hygiene measures:</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
<b>Environmental Controls:</b>	No data available.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

<b>Physical state:</b>	solid
<b>Color:</b>	Gray
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not applicable for mixtures
<b>pH:</b>	not applicable
<b>Melting Point:</b>	Not applicable for mixtures
<b>Boiling Point:</b>	Value not relevant for classification
<b>Flash Point:</b>	> 220 °C
<b>Evaporation Rate:</b>	Not applicable for mixtures
<b>Flammability (solid, gas):</b>	Value not relevant for classification
<b>Flammability Limit - Upper (%)-:</b>	Not applicable for mixtures
<b>Flammability Limit - Lower (%)-:</b>	Not applicable for mixtures
<b>Vapor pressure:</b>	Not applicable for mixtures
<b>Vapor density (air=1):</b>	Not applicable for mixtures
<b>Density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable for mixtures

**Product name:** PBC/D ANTI SEIZE GREASE

<b>Autoignition Temperature:</b>	Value not relevant for classification
<b>Decomposition Temperature:</b>	Value not relevant for classification
<b>Flow time</b>	Value not relevant for classification
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification
<b>9.2 Other information</b>	No data available.

#### SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal use conditions.
<b>10.2 Chemical Stability:</b>	Stable under normal use conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Stable under normal use conditions.
<b>10.4 Conditions to avoid:</b>	Stable under normal use conditions.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

#### SECTION 11: Toxicological information

##### 11.1 Information on toxicological effects

###### Acute toxicity

###### Oral

**Product:** ATEmix: 4.985 mg/kg

###### Dermal

**Product:** Not classified for acute toxicity based on available data.

###### Inhalation

**Product:** Not classified for acute toxicity based on available data.

###### Skin Corrosion/Irritation:

**Product:** Based on available data, the classification criteria are not met.

###### Serious Eye Damage/Eye Irritation:

**Product:** Based on available data, the classification criteria are not met.

###### Respiratory or Skin Sensitization:

**Product:** Skin sensitizer: Based on available data, the classification criteria are not met.  
Respiratory sensitizer: Based on available data, the classification criteria are not met.

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**Germ Cell Mutagenicity**

**Product:** Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product:** Based on available data, the classification criteria are not met.

**Reproductive toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Aspiration Hazard**

**Product:** Based on available data, the classification criteria are not met.

**Other Adverse Effects:**

No data available.

<b>SECTION 12: Ecological information</b>
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**12.1 Toxicity**

**Acute toxicity**

**Product:** Based on available data, the classification criteria are met.

**Chronic ToxicityProduct:** Based on available data, the classification criteria are met.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** Not applicable for mixtures

**12.3 Bioaccumulative Potential**

**Product:** Not applicable for mixtures

**12.4 Mobility in Soil:**

**Product:** Not applicable for mixtures

**12.5 Results of PBT and vPvB assessment:**

The product does not contain any substances fulfilling the PBT/vPvB criteria.

**12.6 Other Adverse Effects:**

Very toxic to aquatic organisms. Harmful to aquatic life with long lasting effects.

**Water Hazard Class (WGK):**

WGK 1: slightly water-endangering.

**Product name:** PBC/D ANTI SEIZE GREASE

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- General information:** Dispose in accordance with all applicable regulations.
- Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws. Do not allow to enter drains, sewers or watercourses.

### SECTION 14: Transport information

#### ADR/RID

- 14.1 UN Number: UN 3077
- 14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(copper)
- 14.3 Transport Hazard Class(es)
- Class: 9
- Label(s): 9
- Hazard No. (ADR): 90
- Tunnel restriction code: (E)
- 14.4 Packing Group: III
- 14.5 Environmental hazards: Dangerous for the environment
- 14.6 Special precautions for user: –

#### IMDG

- 14.1 UN Number: UN 3077
- 14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(copper)
- 14.3 Transport Hazard Class(es)
- Class: 9
- Label(s): 9
- EmS No.: F-A, S-F
- 14.3 Packing Group: III
- 14.5 Environmental hazards: Dangerous for the environment
- 14.6 Special precautions for user: –

#### IATA

- 14.1 UN Number: UN 3077
- 14.2 Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.(copper)
- 14.3 Transport Hazard Class(es):
- Class: 9
- Label(s): 9MI
- 14.4 Packing Group: III
- 14.5 Environmental hazards: Dangerous for the environment
- 14.6 Special precautions for user: –

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

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:



**Product name:** PBC/D ANTI SEIZE GREASE

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## EU Regulations

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

**Revision Information:** Vertical lines in the margin indicate an amendment.

### Wording of the H-statements in section 2 and 3

H302	Harmful if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Other information:** 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 mentioned in regulation EU 1272/2008 (CLP).

**Revision Date:** 04.08.2016

**Disclaimer:** The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.