

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

### 1.1. Product identifier

Name of product

PBC/D

### 1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)

Lubricant

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

Manufacturer/distributor

FUCHS LUBRITECH GMBH  
Werner-Heisenberg-Straße 1, D-67661 Kaiserslautern/Germany  
Phone +49 (0) 6301 3206 - 0, Fax +49 (0) 6301 3206 - 940  
E-Mail reach@fuchs-lubritech.de  
Internet www.fuchs-lubritech.com

Advice

Product Safety Management  
Phone +49 (0) 6301 3206 - 0  
Fax +49 (0) 6301 3206 - 940  
E-mail (competent person):  
reach@fuchs-lubritech.de

### 1.4. Emergency telephone number

Emergency advice

+49 (0)171 / 4632154  
Phone 06301/3206-808  
This number is only available at office times.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

N; R51/53

**R-phrases**

51/53

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

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Aquatic Acute 1	H400	
Aquatic Chronic 3	H412	

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS09

**Signal word**

Warning

**Hazard Statements**

H400

Very toxic to aquatic life.

H412

Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

P273

Avoid release to the environment.

### 2.3. Other hazards

Information pertaining to special dangers for human and environment

Cold liquid may cause burns.

**SECTION 3: Composition/ information on ingredients****3.1. Substances**

not applicable

**3.2. Mixtures****Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
7440-50-8	231-159-6	Copper	10	Xn;R22;N;R50/53

  

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
7440-50-8	231-159-6	Copper	10	Acute Tox.4, H302 / Aquatic Acute 1, H400 / Aquatic Chronic 2, H411 / M-Faktor Akut: 10

**Additional advice**

none at appropriate handling and storage

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately, don't leave to dry.

**In case of inhalation**

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off immediately with soap and water.

Don't use organic solvents

Consult a doctor if skin irritation persists.

**In case of eye contact**

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

**In case of ingestion**

Refer to medical treatment.

Rinse out mouth and give plenty of water to drink.

**4.2. Most important symptoms and effects, both acute and delayed****Physician's information / possible symptoms**

No symptoms known so far.

**4.3. Indication of any immediate medical attention and special treatment needed****Treatment (Advice to doctor)**

Treat symptoms.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Fire gas of organic material has to be classed invariably as respiratory poison.

**5.3. Advice for firefighters****Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

**Additional information**

Cool endangered containers with water spray jet.

Apply foam in large quantities because some of it is destroyed by the product.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Ensure adequate ventilation.

Avoid contact with skin and eyes

High risk of slipping due to leakage/spillage of product.

#### For emergency responders

no special dangers known

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

### 6.3. Methods and material for containment and cleaning up

Send in suitable containers for recovery or disposal.

Take up mechanically and send for disposal.

#### Additional Information

Informations for disposal see chapter 13.

### 6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

Emergency telephone number: see section 1

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Take the usual precautions when handling with chemicals.

#### General protective measures

Avoid contact with eyes and skin

Do not inhale aerosols

#### Hygiene measures

Follow general rules of industrial hygiene for safe handling of chemical products

Keep away from food and drink.

Keep away from tobacco.

#### Advice on protection against fire and explosion

The product is combustible.

Pay attention to general rules of internal fire prevention.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Prevent penetration into the ground.

#### Advice on storage compatibility

Do not store with acids, alkalis or combustible materials.

#### Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Do not keep at temperatures above 35 °C

Protect from direct solar radiation.

Protect from heat and direct solar radiation.

#### Information on storage stability

See technical information about storage of lubricants

**Storage group** 11

**Fire class** B



### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice

This product as such does not contain any relevant ingredients with to be observed limited values

### 8.2. Exposure controls

#### Respiratory protection

Not required at determined application

#### Hand protection

As the product is a preparation of several substances, the actual resistance of the materials used for gloves cannot be scientifically calculated; it is therefore mandatory to check this before using the product.

The break through time depends on the mechanical stress imposed and must therefore be checked individually.

PVC gloves

#### Eye protection

safety goggles

#### Other protection measures

Usual working clothes for chemical industries

#### Appropriate engineering controls

Exhaust or ventilation at higher working temperatures

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

pasty

#### Colour

grey

#### Odour

characteristic

#### Odour threshold

not determined

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>					not applicable
<b>Boiling temperature / boiling range</b>	not determined				
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	> 220 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	> 370 °C				
<b>Self ignition temperature</b>					not self-igniting
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>				DIN 51757	
<b>Vapour density</b>	not determined				



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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**PBC/D**

A01-07408-CP1001017

	Value	Temperature	at	Method	Remark
<b>Solubility in water</b>					more or less insoluble
<b>Solubility/other</b>					more or less insoluble
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>	not determined				
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	The product as such is not explosive.				
<b>9.2. Other information</b>	No information available.				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

none at appropriate handling and storage

### 10.5. Incompatible materials

#### Materials to avoid

Reactions with acids.  
Reactions with oxidising agents.  
Reactions with alkalies.

### 10.6. Hazardous decomposition products

none at appropriate handling and storage

### Thermal decomposition

Remark No decomposition below 350 °C.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>				not determined
<b>Irritability skin</b>	no irritating effects known			
<b>Irritability eye</b>	no irritating effects known			
<b>Skin sensitization</b>	No sensitizing effect known			

#### Additional information

No toxicological data available.  
The product was classified on the basis of the calculation procedure of the directive 67/548/EEC (conventional method).



## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

Value	Species	Method	Validation
<b>Fish</b>			not determined

### 12.2. Persistence and degradability

#### Biological

**degradability** not determined

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

#### Behaviour in sewage plant

Product gets duly not into waste water before it is not treated according to the local regulations.

#### General regulation

Ecological dates are not available.

Do not allow uncontrolled leakage of product into the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Recommendations for the product

Waste disposal in accordance with the relevant regulations.

#### Recommendations for packaging

metal container, for empty containers waste code 150104 "metal containers" applies

#### General information

Ultimately responsible for correct classification is the waste producer, as the EWC names different codes for different origins of same waste

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	3077	3077	3077
<b>14.2. UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper)	Environmentally hazardous substance, solid, n.o.s. (Copper)
<b>14.3. Transport hazard class(es)</b>	9	9	9
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>	No	No	No

### 14.6. Special precautions for user

No information available.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

#### Land and inland navigation transport ADR/RID

Hazard label(s) 9

tunnel restriction code E

Classification code M7



**Marine transport IMDG**  
MARINE POLLUTANT

## SECTION 15: Regulatory information

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

#### National regulations

#### Water hazard class

1

Mixture-WGK according to VwVwS (GER)

### 15.2. Chemical Safety Assessment

Chemical Safety Assessments for mixtures is not required.

## SECTION 16: Other information

### Training advice

Use information in this MSDS

### Recommended uses and restrictions

usage only according to instructions for use and observance of warning notes  
National and local regulations concerning chemicals shall be observed.

### Further information

Substantial changes to the former version are marked by "!" on the left margin of the paper.

All the raw materials in this product are listed in TSCA.

Refer to product information paper.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions.  
It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 2.0

### Sources of key data used

Material Safety Data Sheets of raw materials

### Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 22 Harmful if swallowed.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

-?-

H302 Harmful if swallowed.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.