

SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations (SOR/2015-17)

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: PBC 1574

Other means of identification: For further information, please refer to section 9 of the SDS.

1.2 Recommended use and restriction on use

Recommended use: Lubricant

Restrictions on use: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier

FUCHS LUBRICANTS GERMANY GmbH

Friesenheimer Str. 19

68169 Mannheim

Telephone:

+49 621 3701-0 (ZENTRALE)

Fax:

+49 621 3701-570

1.4 Emergency telephone number: +49 621 3701-0 (Mo - Fr 08:00 am - 04:00 pm, GMT + 1)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to the legislation in force.

Environmental Hazards

Acute hazards to the aquatic environment Category 1

Chronic hazards to the aquatic environment Category 2

2.2 Label Elements



Signal Words: Warning

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

Precautionary Statements

Prevention: P273: Avoid release to the environment.

Product name: PBC 1574

Response: P391: Collect spillage.**Disposal:** P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.**2.3 Other hazards:** 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. The product may not be released into the environment without control.**Unknown toxicity:** Due to information available product does not contain any ingredients of unknown toxicity.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

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

Chemical name	Identifier	Concentration (%w/w)	Notes
Copper	7440-50-8	3.00 - 7.00	

A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Identifier	Classification
Copper	7440-50-8	Acute Tox. 3;H331, Acute Tox. 4;H302, Eye Irrit. 2;H319, Aquatic Acute 1;H400, Aquatic Chronic 1;H410; M-Factor (aquatic acute): 10; M-Factor (aquatic chronic): 1

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. Wash with soap and water.**Ingestion:** Rinse mouth thoroughly.**4.2 Most important symptoms and effects, both acute and delayed:** No data available.

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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:**CO₂, 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.

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.

Product name: PBC 1574

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

8 EXPOSURE CONTROLS / PERSONAL PROTECTION
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8.1.Exposure Limits

None of the components have assigned exposure limits.

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**General information:**

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.

Eye/face protection:

Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

Skin protection**Hand Protection:**

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: ≥ 480 min
Recommended thickness of the material: ≥ 0.38 mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Not relevant, due to the form of the product.

Thermal hazards:

No data available.

Hygiene measures:

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.

Product name: PBC 1574

Environmental Controls: No data available.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Paste
Color:	Gold colored
Odor:	No data available.
Odor Threshold:	Not applicable for mixtures
pH:	substance/mixture is non-soluble (in water)
Drop Point:	Not applicable for mixtures
Boiling Point:	Value not relevant for classification
Flash Point:	Not applicable
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Explosion Limit - Upper (%):	Not applicable for mixtures
Explosion Limit - Lower (%):	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Relative vapor density:	Not applicable for mixtures
Relative density:	1.00 g/cm ³
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Auto-ignition temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
NLGI:	2-3
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical Stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.

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10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Acute toxicity

Oral

Product: ATEmix: 9,861.93 mg/kg

Dermal

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

Inhalation

Product: ATEmix: 10.06 mg/l

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.

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.

IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

NTP: US. National Toxicology Program (NTP) Report on Carcinogens:

Product name: PBC 1574

No carcinogenic components identified

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogenic components identified

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.

12 ECOLOGICAL INFORMATION

General information: Not applicable**12.1 Toxicity****Acute toxicity****Product:** Based on available data, the classification criteria are met.**Chronic Toxicity****Product:** 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. Toxic to aquatic life with long lasting effects.

13 Disposal considerations

13.1 Waste treatment methods**General information:** Dispose in accordance with all applicable regulations.

Product name: PBC 1574

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws. Do not allow to enter drains, sewers or watercourses.

14 TRANSPORT INFORMATION

TDG

14.1 UN number or ID number: UN 3077
14.2 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S.(Copper)
14.3 Transport Hazard Class(es): 9
14.5 Subsidiary risk label: –
14.6 Packing Group: III
14.7 Label(s): 9

IMDG - International Maritime Dangerous Goods Code

14.1 UN number or ID number: UN 3077
14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S.(Copper)
14.3 Transport Hazard Class(es): 9
14.4 Subsidiary risk label: –
14.5 Packing Group: III
14.6 Label(s): 9
14.7 Marine Pollutant: Marine pollutant
14.8 EmS No.: F-A; S-F

IATA

14.1 UN number or ID number: UN 3077
14.2 Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.(Copper)
14.3 Transport Hazard Class(es): 9
14.4 Subsidiary risk label: –
14.5 Packing Group: III
14.6 Label(s): 9MI
14.7 Marine Pollutant: Dangerous for the environment

Amounts up to 5kg or 5 L are not regulated, (ADR/RID SP 375, IMDG 2.10.2.7, IATA SP A197)

Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

15 REGULATORY INFORMATION

Inventory Status

DSL	On or in compliance with the inventory
TSCA	On or in compliance with the inventory

16 OTHER INFORMATION

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

Product name: PBC 1574

Wording of the H-statements in section 2 and 3

H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Revision Date: 15.02.2024

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.