

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** COPPER ANTI-SEIZE COMPOUND**Article number:** TG8212**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC24: Lubricants, greases, release products.**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:** TYGRIS Industrial
Unit 31, Kyle Road Industrial Estate
Irvine
Ayrshire
KA12 8LE
Tel +44 (0) 1294 311 066
Fax +44 (0) 1294 277 115
Email technical@tygrisindustrial.com**Further information obtainable from:** Technical Department**1.4 Emergency telephone number:** Tel +44 (0) 1294 311 066**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Aquatic Acute 1: H400; Aquatic Chronic 2: H411**Most important adverse effects:** Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.**2.2. Label elements****Hazard Statements:** H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.**Hazard pictograms:** GHS09: Environmental**Signal Word:** Warning**Precautionary Statements:** P273: Avoid release to the environment.
P391: Collect spillage.
P501: Dispose of contents/container to approved waste disposal contractor.**2.3. Other hazards****PBT:** This product is not identified as a PBT/vPvB substance

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Hazardous ingredients:

COPPER PASTE. - REACH registered number(s): 01-2119480154-42

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-159-6	7440-50-8	-	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 2: H411	1-10%

GRAPHITE POWDER

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-955-3	7782-42-5	Substance with a Community workplace exposure limit.	-	1-10%

SECTION 4: First aid measures
4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.
Ingestion: Wash out mouth with water.
Inhalation: Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be irritation of the throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

SECTION 5: Firefighting measures
5.1 Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling requirements: Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): PC24: Lubricants, greases, release products.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

COPPER PASTE

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1 mg/m ³	2mg/m ³	-	-

GRAPHITE POWDER

EU	-	-	5mg/m ³	-
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DNEL/PNEC Values

COPPER PASTE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	273mg/kg	Workers	Systemic
DNEL	Inhalation	20mg/m ³	Workers	Systemic
DNEL	Dermal	273mg/kg	Consumers	Systemic
DNEL	Inhalation	20mg/m ³	Consumers	Systemic
DNEL	Dermal (repeated dose)	137mg/kg	Workers	Systemic
PNEC	Fresh water	0.0078mg/l	-	-
PNEC	Fresh water sediments	87mg/kg	-	-
PNEC	Marine water	0.0052mg/l	-	-
PNEC	Marine sediments	676mg/kg	-	-
PNEC	Microorganisms in sewage treatment	0.23mg/l	-	-
PNEC	Soil (agricultural)	65.5mg/kg	-	-

8.2. Exposure controls

Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory protection:	Respiratory protective device with particle filter.
Hand protection:	Protective gloves.
Eye protection:	Safety glasses. Ensure eye bath is to hand.
Skin protection:	Protective clothing.
Environmental:	No special requirement.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

State:	Paste
Colour:	Dark brown
Odour:	Perceptible odour

9.2. Other information

Other information:	No data available.
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity:	Stable under recommended transport or storage conditions.
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10.2. Chemical stability

Chemical stability:	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
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10.4. Conditions to avoid

Conditions to avoid:	Heat.
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10.5. Incompatible materials

Materials to avoid:	Strong oxidising agents. Strong acids.
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10.6. Hazardous decomposition products

Hazardous decomposition products:	In combustion emits toxic fumes.
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SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Toxicity values:	No data available.
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Symptoms / routes of exposure

Skin contact:	There may be mild irritation at the site of contact.
Eye contact:	There may be irritation and redness.
Ingestion:	There may be irritation of the throat.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information**14.1. UN number**

UN number: UN3077

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Copper Powder)

14.3. Transport hazard class(es)

Transport class:

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Specific regulations: Not applicable.

15.2. Chemical safety assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.