

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: **COPPER ANTI-SEIZE COMPOUND**

Article number: **TG8205**

**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**

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

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

<b>Skin contact:</b>	There may be irritation at the site of contact.
<b>Eye contact:</b>	There may be irritation and redness.
<b>Ingestion:</b>	There may be irritation of the throat.
<b>Inhalation:</b>	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 <sup>3</sup>	2mg/m <sup>3</sup>	-	-

GRAPHITE POWDER

EU	-	-	5mg/m <sup>3</sup>	-
----	---	---	--------------------	---

**DNEL/PNEC Values**

COPPER PASTE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	273mg/kg	Workers	Systemic
DNEL	Inhalation	20mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	273mg/kg	Consumers	Systemic
DNEL	Inhalation	20mg/m <sup>3</sup>	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**

<b>Engineering measures:</b>	Ensure there is sufficient ventilation of the area.
<b>Respiratory protection:</b>	Respiratory protective device with particle filter.
<b>Hand protection:</b>	Protective gloves.
<b>Eye protection:</b>	Safety glasses. Ensure eye bath is to hand.
<b>Skin protection:</b>	Protective clothing.
<b>Environmental:</b>	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.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**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.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products:** In combustion emits toxic fumes.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

**Toxicity values:** No data available.

**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.