

## 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](mailto:technical@tygrisindustrial.com)

**Further information obtainable from:** Technical Department

**1.4 Emergency telephone number:** Tel +44 (0) 1294 311 066

## 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

### 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

231-955-3	7782-42-5	Substance with a Community workplace exposure limit.	-	1-10%
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### 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.

### 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.

## 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.

## 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.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Hazardous ingredients:

COPPER PASTE

#### Workplace exposure limits:

State	Workplace exposure limits:		Respirable dust:	
	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

State	Workplace exposure limits:	Respirable dust:
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.

## 9. Physical and chemical properties

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

<b>State:</b>	Paste
<b>Colour:</b>	Dark brown
<b>Odour:</b>	Perceptible odour

### 9.2. Other information

<b>Other information:</b>	No data available.
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## 10. Stability and reactivity

### 10.1. Reactivity

<b>Reactivity:</b>	Stable under recommended transport or storage conditions.
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### 10.2. Chemical stability

<b>Chemical stability:</b>	Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

<b>Hazardous reactions:</b>	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

<b>Conditions to avoid:</b>	Heat.
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### 10.5. Incompatible materials

<b>Materials to avoid:</b>	Strong oxidising agents. Strong acids.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products:</b>	In combustion emits toxic fumes.
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## 11. Toxicological information

### 11.1. Information on toxicological effects

<b>Toxicity values:</b>	No data available.
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### Symptoms / routes of exposure

<b>Skin contact:</b>	There may be mild 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.

## 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.

## 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.

## 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: 9

### 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

## 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.

## 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.