



## SAFETY DATA SHEET COPPER GREASE

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

#### 1.1. Product identifier

**Product name** COPPER GREASE  
**Product number** XCG020, XCG070, XCG500, YGC003, XCG000, QHC500, CCG070

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

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

**Supplier** TETROSYL LIMITED  
Bury  
Lancashire  
England  
BL9 7NY  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

**Manufacturer** TETROSYL LIMITED  
Bury  
Lancashire  
England  
BL9 7NY  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)161 764 5981

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Not Classified  
**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

**Human health** See Section 11 for additional information on health hazards.

#### 2.2. Label elements

##### Pictogram



**Signal word** Warning

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|                                 |                                                                                                                                                                                                                                                                       |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard statements</b>        | H400 Very toxic to aquatic life.<br>H412 Harmful to aquatic life with long lasting effects.                                                                                                                                                                           |
| <b>Precautionary statements</b> | P273 Avoid release to the environment.<br>P391 Collect spillage.<br>P501 Dispose of contents/ container in accordance with national regulations.<br>P101 If medical advice is needed, have product container or label at hand.<br>P102 Keep out of reach of children. |

### 2.3. Other hazards

Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|                          |                      |
|--------------------------|----------------------|
| <b>COPPER</b>            | <b>2.5-&lt;5.0%</b>  |
| CAS number: 7440-50-8    | EC number: 231-159-6 |
| M factor (Acute) = 10    |                      |
| <b>Classification</b>    |                      |
| Acute Tox. 4 - H302      |                      |
| Aquatic Acute 1 - H400   |                      |
| Aquatic Chronic 2 - H411 |                      |

The full text for all hazard statements is displayed in Section 16.

|                             |                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Composition comments</b> | No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure. |
|-----------------------------|------------------------------------------------------------------------------------------------------------------|

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                            |                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General information</b> | Remove affected person from source of contamination. Get medical attention if any discomfort continues.                                                   |
| <b>Inhalation</b>          | Get medical attention if any discomfort continues.                                                                                                        |
| <b>Ingestion</b>           | Consult a physician for specific advice.                                                                                                                  |
| <b>Skin contact</b>        | Remove contaminated clothing immediately and wash skin with soap and water.                                                                               |
| <b>Eye contact</b>         | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye. |

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

|                            |                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General information</b> | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation. |
| <b>Inhalation</b>          | May cause an asthma-like shortness of breath. Vapours may cause headache, fatigue, dizziness and nausea.                                                                    |
| <b>Ingestion</b>           | May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.                                              |
| <b>Skin contact</b>        | Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Allergic rash.                                                                        |
| <b>Eye contact</b>         | May cause temporary eye irritation.                                                                                                                                         |

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). No unusual fire or explosion hazards noted.

**Hazardous combustion products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known.

**Special protective equipment for firefighters** Leave danger zone immediately.

### **SECTION 6: Accidental release measures**

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

**Personal precautions** For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

#### 6.2. Environmental precautions

**Environmental precautions** Collect and dispose of spillage as indicated in Section 13.

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

**Methods for cleaning up** For waste disposal, see Section 13. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with non-combustible, absorbent material.

#### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

**Usage precautions** Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Avoid the formation of mists. Provide adequate ventilation. Avoid contact with skin and eyes. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.

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

**Storage precautions** Keep containers upright. Store in tightly-closed, original container.

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### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

No exposure limits known for ingredient(s).

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

##### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

##### Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

##### Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level.

##### Respiratory protection

No specific recommendations.

### SECTION 9: Physical and Chemical Properties

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

|                                                     |                     |
|-----------------------------------------------------|---------------------|
| <b>Appearance</b>                                   | Grease.             |
| <b>Colour</b>                                       | Brownish.           |
| <b>Odour</b>                                        | Oil-like.           |
| <b>Melting point</b>                                | Not determined.     |
| <b>Initial boiling point and range</b>              | >100°C @            |
| <b>Flash point</b>                                  | >100°C              |
| <b>Evaporation rate</b>                             | Not determined.     |
| <b>Upper/lower flammability or explosive limits</b> | Not determined.     |
| <b>Vapour pressure</b>                              | Not determined.     |
| <b>Vapour density</b>                               | Not determined.     |
| <b>Relative density</b>                             | 0.966g/cm @ 20°C    |
| <b>Solubility(ies)</b>                              | Insoluble in water. |
| <b>Partition coefficient</b>                        | Not determined.     |

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**Auto-ignition temperature** Not determined.

**Decomposition Temperature** Not determined.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** No particular stability concerns.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not applicable.

### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 11,111.11

**Acute and chronic health hazards** Because of the product's quantity and composition, the health hazard is regarded as low.

## SECTION 12: Ecological Information

**Ecotoxicity** The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

#### Acute aquatic toxicity

**Acute toxicity - fish** Not available.

**Acute toxicity - aquatic invertebrates** Not available.

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

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**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

### 12.4. Mobility in soil

**Adsorption/desorption coefficient** Not available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

## SECTION 14: Transport information

### 14.1. UN number

|                         |      |
|-------------------------|------|
| <b>UN No. (ADR/RID)</b> | 3082 |
| <b>UN No. (IMDG)</b>    | 3082 |
| <b>UN No. (ICAO)</b>    | 3082 |
| <b>UN No. (ADN)</b>     | 3082 |

### 14.2. UN proper shipping name

|                                       |                                                                       |
|---------------------------------------|-----------------------------------------------------------------------|
| <b>Proper shipping name (ADR/RID)</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS COPPER) |
| <b>Proper shipping name (IMDG)</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS COPPER) |
| <b>Proper shipping name (ICAO)</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS COPPER) |
| <b>Proper shipping name (ADN)</b>     | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS COPPER) |

### 14.3. Transport hazard class(es)

|                                    |    |
|------------------------------------|----|
| <b>ADR/RID class</b>               | 9  |
| <b>ADR/RID classification code</b> | M6 |
| <b>ADR/RID label</b>               | 9  |
| <b>IMDG class</b>                  | 9  |
| <b>ICAO class/division</b>         | 9  |
| <b>ADN class</b>                   | 9  |

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## Transport labels



### 14.4. Packing group

|                       |     |
|-----------------------|-----|
| ADR/RID packing group | III |
| IMDG packing group    | III |
| ADN packing group     | III |
| ICAO packing group    | III |

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

|                                        |          |
|----------------------------------------|----------|
| EmS                                    | F-A, S-F |
| ADR transport category                 | 3        |
| Emergency Action Code                  | •3Z      |
| Hazard Identification Number (ADR/RID) | 90       |
| Tunnel restriction code                | (E)      |

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

|                             |                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>National regulations</b> | The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).                                                                                                                                                                                                                                                                                                |
| <b>EU legislation</b>       | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).<br>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

|                            |                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------|
| <b>General information</b> | Only trained personnel should use this material.                                       |
| <b>Revision comments</b>   | NOTE: Lines within the margin indicate significant changes from the previous revision. |

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|                                  |                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Issued by</b>                 | Health & Safety Department                                                                                                                                                         |
| <b>Revision date</b>             | 22/07/2016                                                                                                                                                                         |
| <b>Revision</b>                  | 8                                                                                                                                                                                  |
| <b>Supersedes date</b>           | 05/04/2016                                                                                                                                                                         |
| <b>SDS status</b>                | Approved.                                                                                                                                                                          |
| <b>Hazard statements in full</b> | H302 Harmful if swallowed.<br>H400 Very toxic to aquatic life.<br>H411 Toxic to aquatic life with long lasting effects.<br>H412 Harmful to aquatic life with long lasting effects. |

The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.