

## SAFETY DATA SHEET

According to REACH Regulation, (EC) No. 1907/2006 (REACH) amended by Regulation (EU) 2020/878  
Issue date: 17.05.23 Revision date: N/A Supersedes version of: N/A Version: 1

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

#### 1.1) Product identifier

**Product form:** Mixture

**Trade name:** Copper Grease

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

##### 1.2.1) Relevant identified uses:

Main use: Industrial  
Industrial/Professional Use spec: For professional use only  
Function or use category: Industrial Lubricant

##### 1.2.2) Uses advised against

No additional information available

#### 1.3) Details of the supplier of the safety Data Sheet

**Manufacturer/Supplier:** Granville Oil & Chemicals Ltd.  
29 Goldthorpe Ind. Est.  
Goldthorpe  
Rotherham  
S63 9BL  
UK  
TEL +44 (0)1709 890099  
Email lab@granvilleoil.com

#### 1.4) Emergency Contact:

TEL +44 (0) 1709 890099 (08:00 – 17:00)

### SECTION 2: Hazards Identification

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

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

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

##### Adverse physicochemical, human health and environmental effects

Not classified.

#### 2.2) Label elements:

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictogram(s)



GHS09

Signal Word(s) None.  
 Hazard Statement(s) H411: Toxic to aquatic life with long lasting effects.  
 Precautionary Statement(s) P101: If medical advice is needed, have product container or label at hand.  
 P102: Keep out of reach of children.  
 P273: Avoid release to the environment.  
 P391: Collect spillage.  
 P501: Dispose of contents in accordance with local, state or national legislation.

### 2.3) Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59 (1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

### 2.4) Additional Information

For full text of H/P statements see section 16.

## SECTION 3: Composition / Information on Ingredients

3.1) **Substances:** N/A

3.2) **Mixtures:**

HAZARDOUS INGREDIENTS	CAS NO.	EC No/REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Copper	7440-50-8	231-159-6	0.3-2.4	Acute Tox. 4 H302 Eye Irrit. 2 H319 Acute Tox. 3 H331 Acquatic Acute 1 H400 Acquatic Chronic 1 H410	GHS06 GHS07 GHS09

HAZARDOUS INGREDIENTS	CAS NO.	Specific concentration limit	M-factor	ATE
Copper	7440-50-8		Acquatic Acute 1: 10 Acquatic Chronic 1: 10	Acute Tox. 4 (H302) : 0.733 (17 <sup>th</sup> ATP) Acute Tox. 3 (H331) : 0.733 Dust (17 <sup>th</sup> ATP)

Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

For full text of H/P Statements see section 16.

## SECTION 4: First Aid Measures

### 4.1) Description of first aid measures

**Skin contact:** Wash with soap and water

**Eye contact:** Wash out all residual material with water. Bathe eye with running water for several minutes. If irritation continues seek medical advice.

**Inhalation:** Unlikely due to low volatility of product. If inhaled move to fresh air and seek medical advice.

**Ingestion:** Wash mouth with water. Do not induce vomiting, seek medical advice.

**4.2) Most important symptoms and effects both acute and delayed**

Non anticipated. In case of fire toxic gases may be formed

**4.3) Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Fire Fighting Measures**

**5.1) Extinguishing media:** Extinguish with dry powder, foam, sand, earth, CO<sub>2</sub>

**UNSUITABLE Extinguishing media:** Water jet.

**Protective equipment:** Self contained breathing apparatus

**SECTION 6: Accidental Release Measures**

**6.1) Personal precautions, protective equipment and emergency procedures**

General measures: Remove ignition sources. May cause slippery conditions underfoot.  
Do not get in eyes, on skin or on clothing.

**6.1.1) For non-emergency personnel**

Protective equipment: Wear suitable protective clothing.

Emergency procedures: Keep public away from danger area. Do not breathe fumes from fires  
Or vapours from decomposition.

**6.1.2) For emergency responders**

Protective equipment: Equip clean up crew with proper protection.

**6.2) Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if  
product enters sewers or public waters.

**6.3) Methods and material for containment and cleaning up**

Methods for cleaning up: Collect spillage. Dispose of at a licensed waste collection centre.

**6.4) Reference to other sections**

No additional information.

**Spillage:** Apply suitable absorption media, scrape up in bulk then wipe remainder with cloth.

**SECTION 7: Handling & Storage**

**7.1) Precautions for safe handling**

Precautions for safe handling: Provide good ventilation in process area to prevent formation of  
Vapour. Use PPE as required. No open flames. No smoking. Avoid  
Contact with skin, eyes and clothing. Do not breathe fumes from fires  
Or vapours from decomposition.

Hygiene measures: Do not eat, drink or smoke when using this product. Wash  
contaminated clothing before reuse. Wash hands and other exposed  
areas with mild soap and water before eating, drinking or smoking and  
when leaving work. Always wash hands after handling the product.

**7.2) Conditions for safe storage, including incompatibilities**

**Storage conditions:** Store in a dry place. Store in original container. Keep away from heat, hot

Surfaces, sparks, open flames and other ignition sources. No smoking. Store  
In a dry place.

**Storage temperature:** 5-20 °C

**Incompatible products:** Strong bases. Strong acids.

### 7.3) Specific end use(s)

No additional information available.

## SECTION 8: Exposure Control / Personal Protection

### 8.1) Control parameters

#### 8.1.1) National occupational exposure and biological limit values

SUBSTANCE	CAS No.	LTEL (8Hr TWA ppm)	LTEL (8Hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Copper fume (as Cu)	7440-50-8		0.2			
Copper and compounds: dusts and mists (as Cu)	7440-50-8		1		2	

#### Region

United Kingdom

#### Source

UK workplace Exposure Limits EH40 2005 (4<sup>th</sup> Edn. Published 2020)

#### 8.1.2) Recommended monitoring procedures

No additional information available

#### 8.1.3) Air contaminants formed

No additional information available

#### 8.1.4) DNEL and PNEC

No additional information available

#### 8.1.5) Control banding

No additional information available

### 8.2) Exposure controls

8.2.1) **Appropriate engineering controls:** Ensure good ventilation of the work station.

#### 8.2.2) Personal protection equipment

##### 8.2.2.1) Eye and face protection



**Eye protection:** Use splash goggles when eye contact due to splashing is possible

##### 8.2.2.2) Skin protection



**Skin and body protection:** Wear suitable protective clothing

**Hand protection:** In case of repeated or prolonged contact wear gloves. Nitrile-rubber protective gloves. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

##### 8.2.2.3) Respiratory protection

**Respiratory protection:** Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

#### 8.2.2.4) Thermal hazards

No additional information available

#### 8.2.3) Environmental exposure controls

**Environmental exposure controls:** No data available.

**Consumer exposure controls:** No data available.

### SECTION 9: Physical and Chemical Properties

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

<b>Physical state:</b>	Solid - Grease – free from visible impurities
<b>Colour:</b>	Copper
<b>Odour:</b>	Slight
<b>Odour threshold:</b>	N/A
<b>pH:</b>	N/A
<b>Relative evaporation rate (butylacetate=1):</b>	N/A
<b>Melting point:</b>	>200 °C
<b>Freezing point:</b>	N/A
<b>Boiling point:</b>	N/A
<b>Flash point:</b>	In excess of 260°C
<b>Auto-ignition Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>Flammability:</b>	N/A
<b>Vapour pressure:</b>	N/A
<b>Relative vapour density at 20 °C</b>	N/A
<b>Relative density:</b>	≈ 0.98 (25 °C)
<b>Solubility in water:</b>	Insoluble.
<b>Partition coefficient n-octanol/water (log Pow)</b>	N/A
<b>Viscosity, kinematic</b>	N/A
<b>Viscosity, dynamic:</b>	N/A
<b>Explosive properties:</b>	N/A
<b>Oxidising properties:</b>	N/A
<b>Explosive limits:</b>	N/A

9.2) **Other information:** VOC content – 0%

### SECTION 10: Stability and Reactivity

10.1) **Reactivity:** Not expected to present a significant hazard under normal conditions

10.2) **Chemical Stability:** Stable under normal conditions

10.3) **Possibility of hazardous reactions:** No dangerous reactions known under normal conditions of use.

10.4) **Conditions to avoid:** Powerful sources of ignition and extremes of temperature

10.5) **Materials to avoid:** Strong oxidising agents

10.6) **Hazardous decomposition products:** Oxides of carbon, possible smoke and soot

### SECTION 11: Toxicological Information

#### 11.1) Information on toxicological effects

**Acute toxicity:** Not considered toxic under normal handling.

(Acute LD50 - Rat oral > 2000mg/Kg)

**Acute toxicity (oral):** Not classified

**Acute toxicity (dermal):** Not classified  
**Acute toxicity (inhalation):** Not classified  
**Skin corrosion/irritation:** Not classified PH: Not applicable  
**Serious eye damage/irritation:** Not classified PH: Not applicable  
**Respiratory or skin sensitisation:** Not classified  
**Germ cell mutagenicity:** Not classified  
**Carcinogenicity:** Not classified  
**Reproductive toxicity:** Not classified  
**STOT-single exposure:** Not classified  
**STOT-repeated exposure:** Not classified  
**Aspiration hazard:** Not classified  
**Potential adverse human health effects and symptoms:** Repeated or prolonged skin contact may cause dermatitis and defatting

#### 11.2) Information on other hazards

ECHA Endocrine disruptor assessment list: 7440-5-8, 231-159-6 (Reason not given)

### SECTION 12: Ecological Information

#### 12.1) Toxicity

Ecology- general: Notify authorities if product enters sewers or public waters. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems

Toxic to aquatic life with long lasting effects.	
Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

#### 12.2) Persistence and degradability

**Copper Antiseize:** Persistence and degradability: Not established.

#### 12.3) Bioaccumulative potential:

**Copper Antiseize:** Bioaccumulative potential: Not established.

#### 12.4) Mobility in soil

**Copper Antiseize:** Ecology – soil: Not established.

#### 12.5) Results of PBT and vPvB assessment

PBT: Not relevant – no registration required.

vPvB: Not relevant – no registration required.

#### 12.6) Other adverse effects: No additional information available.

### SECTION 13: Disposal Considerations

#### 13.1) Waste treatment methods

Product/Packaging disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations.
Ecology – waste materials:	Avoid release to the environment.
European List of Waste code (LOW):	12 01 12 – spent waxes and fats.

### Section 14: Transport Information

**14.1) UN number or ID number**

UN No. 3077

**14.2) UN proper shipping name UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

**14.3) Transport hazard class(es)**

ADR/RID:	
ADR/RID Class:	9
ADR Classification Code:	M7
Special Provisions:	274, 335, 375, 601
Limited Quantities:	5 kg
Excepted Quantities:	E1
Emergency Action Code:	2Z Mixed
Packing Instructions for Packages:	P002 IBC08 LP02 R001
Special Packing Provisions for Packages:	PP12 B3
Mixed Packing Instructions for Packages:	MP10
Packing Instructions for Portable Tanks:	T1 BK1 BK2 BK3
Special Provisions for Portable Tanks:	TP33
Tank Code for Tanks:	SGAV LGBV
Special Provisions for Tanks	
Vehicle for Tank Carriage:	AT
ADR Transport Category:	3
Tunnel Restriction Code:	–
Special Provisions for Carriage – Packages:	V13
Special Provisions for Carriage – Bulk:	VC1 VC2
Special Provisions for Carriage - Loading, Unloading and Handling:	CV13
Special Provisions for Carriage – Operation:	
ADR HIN:	90
IMDG Class:	9
Special Provisions:	274, 335, 375, 601
Limited Quantities:	5 kg
Excepted Quantities:	E1
Mixed Packing Instructions for Packages:	P002 IBC08 LP02 R001
Special Packing Provisions for Packages:	PP12 B3
Packing Instructions for Portable Tanks:	T1 BK1 BK2 BK3
Special Provisions for Portable Tanks:	TP33
IMDG EMS:	F-A, S-F
Stowage and Handling:	Category A SW23
Segregation:	
Marine Pollutant:	
IATA Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions:	Y956
Passenger and Cargo Aircraft Limited Quantities Max net Qty:	30Kg G
Passenger and Cargo Aircraft Packing Instructions:	956
Passenger and Cargo Aircraft Max net Qty:	400Kg
Cargo Aircraft Packing Instructions 956	
Cargo Aircraft Max net Qty:	400Kg
Special Provisions:	A97, A158, A179, A197, A215
Emergency Response Guidebook (ERG) Code:	9L
Labels:	9



#### 14.4 Packing group

Packing group III

#### 14.5) Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6) **Special precautions for user** **Special precautions for user:** Not known.

14.7) **Maritime transport in bulk according to IMO instruments:** No information available

### SECTION 15: Regulatory Information

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

##### 15.1.1) EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Copper (7440-50-8)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

VOC content: 0%

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU2019/1148 on the marketing and use of explosives precursors)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

15.1.2) **National regulations:** No additional information available.

15.2) **Chemical safety assessment:** No chemical safety assessment has been carried out.

### SECTION 16: Other Information

#### General Information

Only trained personnel should use this material.

#### DATA SOURCES:

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

#### Risk Phrases In Full

None required

#### Hazard Classification In Full

Acute Tox. 4 : Acute toxicity, Category 4

Eye Irrit. 2 : Serious eye damage/irritation, Category 2

Acute Tox. 3 : Acute toxicity, Category 3

Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1

Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1 Aquatic

Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

#### Hazard statements In Full

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.

H411: Toxic to aquatic life with long lasting effects.

### **Precautionary statements In Full**

P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents in accordance with local, state or national legislation.

### **Acronyms**

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

IATA : International Air Transport Association

IBC : Intermediate Bulk Container

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

UN : United Nations

vPvB : very Persistent and very Bioaccumulative

### **Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for his own particular use.