



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

Copper Grease



EXOL LUBRICANTS LIMITED

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Copper Grease

Product Code: Z010

SECTION 1	IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING
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1.1 Product Identifier	Copper Grease
Product Code	Z010
1.2 Relevant identified uses of the substance or mixture and uses advised against	Industrial Lubricant Do not use in any other application.
1.3 Company	Exol Lubricants Limited All Saints Road Wednesbury, West Midlands, WS10 9TS
1.4 Emergency Telephone Number	+44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT)
1.5 Other Information	Preparation Date: 02/11/2015

SECTION 2	HAZARD IDENTIFICATION
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2.1 Classification of the substance or mixture	CLP Classification: Aquatic Chronic 3: H412
<i>See section 16 for full text of H Statements</i>	
2.2 Label Elements	Labelling in accordance with CLP None
2.3 Other Hazards	PBT: This substance is not identified as a PBT substance.

SECTION 3	COMPOSITION/ INFORMATION ON INGREDIENTS
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3.2 Mixtures				
Hazardous Ingredients	CAS No.	REACH Reg. No.	GHS Classification	Conc. %
Copper Paste	7440-50-8 8042-47-5	01-2119480154-42 01-2119487078-27	Toxic Acute 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	<10

The mineral oil contains less than 3% DMSO extract as measured by IP 346

SECTION 4	FIRST AID MEASURES
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4.1 Description of first aid measures	
Eyes	Wash out eyes with plenty of water. Obtain medical attention if soreness or redness persists.
Skin	Wash skin with soap and water. If grease has been injected under the skin, seek medical advice immediately.
Ingestion	Do not induce vomiting. Obtain medical attention.
Inhalation	No risk from inhalation.
4.2 Most important symptoms and effects, both acute and delayed	No ill effects
4.3 Indication of immediate medical attention and special treatment needed, if necessary	Eye contact: immediately washout with plenty of water

SECTION 5	FIRE-FIGHTING MEASURES
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5.1 Extinguishing media	Use water spray to cool containers. Use foam, dry chemical, carbon dioxide or suitable extinguishing media.
5.2 Specific hazards arising from the substance or mixture	This product may give rise to hazardous fumes in a fire.
5.3 Advice for fire-fighters	Wear self-contained breathing apparatus.



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SECTION 6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures See Section 8 for protective equipment.
- 6.2 Environmental precautions Do not pour into the main drains or water course
- 6.3 Methods and material for containment and cleaning up Transfer into suitable containers for recovery or disposal
- 6.4 Reference to other sections Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling Avoid direct contact with the substance
- 7.2 Conditions for safe storage, including any incompatibilities Store in a cool well-ventilated area.
- 7.3 Specific end use(s) Industrial lubricant

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters

Country	Substance	Long Term (8 Hours TWA)	Short Term (15 Mins)
None assigned			
- 8.2 Exposure controls
 - Hand Protection: PVC Gloves
 - Eye Protection: Wear approved safety goggles
 - Body Protection: Normal work wear
 - Respiratory Protection: Not normally required

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties Does not constitute a specification

Typical Values

Grades:		Copper Grease
Appearance	Units	Copper coloured smooth grease
Odour		Odourless
Odour Threshold		No data available
pH		Neutral
Relative density	kg/l	0.82 – 0.85
Solubility - water		Insoluble
Melting Point	°C	>200
Initial boiling point and range	°C	No data available
Flash point (PMCC)	°C	>200
Flammability		>200
Upper/lower flammability or explosive limits		No data available
Vapour pressure	kPa (0.1 mm Hg)	No data
Partition coefficient n-octanol/water	Log Pow	No data
Autoignition temperature	°C	>200
Decomposition temperature		No data available
Viscosity	mm ² /s	No data available
Evaporation rate		Not applicable
Vapour density		No data
Explosive properties		No data available
Oxidising properties		None

- 9.2 Other Information Not Applicable.



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SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity	No dangerous reactions known
10.2 Chemical stability	Stable under normal conditions of use
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Heat
10.5 Incompatible materials	Strong oxidising agents
10.6 Hazardous decomposition products	Combustion will generate: smoke, carbon dioxide and carbon monoxide.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	No toxic components
Corrosivity/Irritation	Non irritating to eyes /skin/respiratory tract
Sensitisation	No evidence of sensitisation
Repeated-dose Toxicity	No evidence
Mutagenicity	No evidence of mutagenicity.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive Toxicity	No evidence of reproductive toxicity.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity	Harmful to the aquatic environment
12.2 Persistence and Degradability	Only slightly biodegradable.
12.3 Bioaccumulative Potential	This product, as supplied, is not expected to bio-accumulate.
12.4 Mobility in Soil	This product is poorly absorbed onto soils and sediments. Non-volatile.
12.5 Results of PBT and vPvB Assessment	This substance is not identified as a PBT or vPvB substance.
12.6 Other Adverse Effects	None known.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Send to registered waste disposal site using services of a registered waste disposal contractor. Disposal of packaging: Dispose of as normal industrial waste. **NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous goods for carriage under ADR/RID/AND/IMDG/ICAO/IATA regulations.

14.1 UN Number	None
14.2 UN Proper Shipping Name	None
14.3 Transport Hazard Class	None
14.4 Packing Group	None
14.5 Environmental Hazards	Classified as an Environmentally hazardous substance/Marine Pollutant
14.6 Special Precautions for User	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable to packaged goods

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.
15.2 Chemical Safety Assessment	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.



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SECTION 16	OTHER INFORMATION
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Fourth Issue

Third Issue March 2015: Changed composition and classification information

Second Issue November 2013: Changed to new format.

Previous version May 1997: Changed to Reach version 2 format

Full text of classification data in sections 2 and 3

Aquatic Chronic 3; H412	Harmful to aquatic life with long lasting effects
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Toxic Acute 4; H302	Harmful if swallowed
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Aquatic Acute 1; H400	Very toxic to aquatic life
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Aquatic Chronic 2; H411	Toxic to aquatic life with long lasting effects
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