

SAFETY DATA SHEET
COPPER ANTI SEIZE

Issued 02.10.2022
Revision No.16

1) **Identification of the substance/preparation and of the company/undertaking.**

Product name: Copper Anti Seize – Standard Grade

Application: Industrial Lubricant

PC24: Lubricants, greases, release products.

Manufacturer/Supplier: Bradechem Ltd

Unit 1 The Business Venue

Grandholm

Aberdeen

AB22 8AA

UK

TEL +44 (0)1224 822227

FAX

Email sales@bradechem.com

Emergency Contact:

TEL +44 (0)1224 822227

2) **Hazards Identification.**

Classification of the substance or mixture

Classification under CLP: Aquatic Acute 1: H400; Aquatic Chronic 1: H410

H315 Causes skin irritation

Most important adverse effects: Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Label elements

Hazard statements: H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects

H315 Causes skin irritation

Hazard pictograms: GHS09: Environmental GHS 07 Exclamation Mark



Signal words: Warning

Precautionary statements: P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents/container to local and national regulations

Other Hazards

PBT: This product is not identified as a PBT/vPvB substance

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3) **Composition / Information on Ingredients.**

Description:

Blend of severely hydrocracked mineral oil, thickener, copper, graphite and additives

Hazardous ingredients:

CAS	PBT / WEL	CLP Classification	Percent
64741-96-4	Substance with a Community workplace exposure limit.	-----	50-70%
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (NOTE L - < 3% DMSO EXTRACT)			
COPPER POWDER			
7440-50-8	-----	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 2: H411	5 – 15%
GRAPHITE POWDER			
7782-42-5	Substance with a Community workplace exposure limit.		5 – 15%

4) **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.

5) **Fire Fighting Measures.**

Extinguishing media: Extinguish with dry powder, foam, sand, or earth.

UNSUITABLE Extinguishing media: Water jet.

Protective equipment: Self contained breathing apparatus

6) **Accidental Release Measures.**

Personal precautions: May cause slippery conditions underfoot.

Environmental precautions: Do not allow to enter drains or watercourse

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

7) **Handling & Storage.**

Handling: Wear suitable gloves, do not smoke. Care should be taken with dispensing equipment not to inject product under skin.

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Storage: Do not store at elevated temperatures.

8) Exposure Control / Personal Protection.

Control parameters

Name: Copper AS	STD OES	TWA - 8 Hrs 5 mg/m ³	STEL - 15 Min OES 10 mg/m ³	Notes
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Exposure controls

Protective equipment



Process conditions

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Explosion-proof general and local exhaust ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Check that mask fits tight and change filter regularly.

Hand protection

Protective gloves must be used if there is a risk of direct contact or splash. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Manufactured/tested in accordance with EN 374.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact. If risk of splashing, wear safety goggles or face shield. Manufactured/Tested in accordance with EN 166.

Other Protection

Use barrier creams to prevent skin contact. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated.

Eating, smoking and water fountains prohibited in immediate work area.

9) **Physical and Chemical Properties.**

Physical state:	Grease – free from visible impurities
Colour:	Copper - Gold
Odour:	Slight
Pour point:	N/A
Flash point:	In excess of 200°C
Flammability :	Not flammable at ambient temperature
Solubility in water:	Insoluble.

10) **Stability and Reactivity.**

Stability: Stable under normal conditions

Conditions to avoid: Powerful sources of ignition and extremes of temperature

Materials to avoid: Strong oxidising agents

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

11) **Toxicological Information.**

Acute toxicity: Not considered toxic under normal handling.
(Acute LD50 - Rat oral > 2000mg/Kg)

Chronic toxicity: Not applicable

Genotoxicity: Not applicable

Irritancy skin: Possible on very mild skin types.
Long-term exposure may cause dermatitis and de-fatting of the skin

12) **Ecological Information**

Possible effects: Possible marine pollutant (slight) if released in large quantities.

Environmental consequences: Unlikely to cause notable contamination.
Insoluble in water, poorly absorbed into soils.

13) **Disposal Considerations.**

Product disposal: Incineration or landfill, dispose of in accordance with local regulations.

14) **Transport Information.**

For road, rail and air: Not classified (no special precautions or labelling necessary)

DOT Proper shipping name: Not regulated

ADR/RID class: Not regulated

IMDG/IMO Shipping description: Not regulated

ICAO / IATA Shipping description: Not regulated

No UN Number, No Packing Group.

15) **Regulatory Information.**

Safety, health and environmental regulations/legislation specific for the substance or mixture
Uk Regulatory References
Chemicals (Hazard Information & Packaging) Regulations.
Guidance Notes
Workplace Exposure Limits EH40.
EU Legislation
Regulation (EC) No 1272/2008 CLP. Regulation (EC) No 1907/2006 REACH.
Water hazard classification
WGK 1

16) **Other Information.**

General Information

Only trained personnel should use this material.

Revision Comments

This MSDS has been produced on new software and may appear different in presentation and style. Please check all sections carefully.

Revision Date 02.10.2022

Revision 16

Supersedes date 02.10.15

Safety Data Sheet Status Approved.

Date 02.10.2022

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Phrases used in sections 2 & 3

H302: Harmful if swallowed.
H315 Causes skin irritation
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.

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.