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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** COPPER ANTI-SEIZE LUBRICANT 1LB  
**Item No:** 31163  
**Product Type:** Lubricant

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	30-40	Not listed	Not listed
COPPER 7440-50-8	15-25	0.2 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
CALCIUM OXIDE 1305-78-8	10-20	2 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC 64742-53-6	5-15	5 mg/m <sup>3</sup> TWA ACGIH	Not listed
GRAPHITE 7782-42-5	5-15	2 mg/m <sup>3</sup>	15 mppcf
LITHIUM SOAP MIXTURE	<3	Not listed	Not listed
MINERAL OIL 8042-47-5	<3	5 mg/m <sup>3</sup> TWA (oil mist) ACGIH	Not listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May be harmful if swallowed. May cause eye, skin and respiratory irritation. High concentrations may cause central nervous system (CNS) depression. This product contains encapsulated metal powder which contains copper and/or zinc. No exposure to free metal is anticipated during normal use. If grinding or machining coated surfaces, use appropriate protective measures.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation

**Signs and Symptoms of Exposure:** Overexposure may cause eye and skin redness, difficulty breathing and vomiting. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
COPPER 7440-50-8	15-25		A4 Not classifiable as a human carcinogen	

**Medical Conditions Recognized as Being Aggravated by Exposure:** Preexisting pulmonary and dermatological disorders. Since this product contains copper compounds, individuals with Wilson's Disease should avoid exposure to this product.

### 4. FIRST AID MEASURES

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.

**Skin Contact:** Wash off with soap and water. If skin irritation persists, call a physician.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point °F(C°):** 225°F PMCC

**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, Foam

**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus.

**5. FIRE FIGHTING MEASURES**

**Hazardous Products of Combustion:** Oxides of carbon, Oxides of sulfur  
**Unusual Fire/Explosion Hazards:** Closed containers may rupture or explode when exposed to extreme heat.  
**Lower Explosive Limit:** Not determined.  
**Upper Explosive Limit:** Not determined.

**6. ACCIDENTAL RELEASE MEASURES**

**Spill Procedures:** Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

**7. HANDLING AND STORAGE**

**Storage:** Store away from heat.  
**Handling:** Avoid contact with skin and eyes. Use only in a well ventilated area. Do not take internally. Keep container closed when not in use. Wash thoroughly with soap and water after handling.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Safety glasses.  
**Skin:** Neoprene or nitrile gloves recommended.  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.  
**Respiratory Protection:** An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Copper colored  
**Odor:** Petroleum distillates  
**Boiling Point:** >550°F  
**pH:** Does not apply  
**Solubility in Water:** Insoluble  
**Specific Gravity:** 1.31  
**VOC(Wt.%):** 0  
**Vapor Pressure:** Not Determined  
**Vapor Density (Air=1):** Heavier than air  
**Evaporation Rate:** <1 (butyl acetate = 1)

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable at normal conditions  
**Hazardous Polymerization:** Will not occur.  
**Incompatibilities:** Strong oxidizers, Acids, Nitrates  
**Conditions to Avoid:** Heat.  
**Hazardous Products of Combustion:** Oxides of carbon, Oxides of sulfur

**11. TOXICOLOGICAL INFORMATION**

See Section 3

**12. ECOLOGICAL INFORMATION**

No data available

**13. DISPOSAL CONSIDERATIONS**

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations..  
**US EPA Waste Number:** NH - Not a RCRA Hazardous Waste Material

**14. TRANSPORTATION INFORMATION**

**DOT (49CFR 172)**  
**Ground Transport (DOT)**  
**DOT Shipping Name:** Not Regulated  
**Hazard Class:** None  
**UN/ID Number:** None

**IATA**

**14. TRANSPORTATION INFORMATION**

**Proper Shipping Name:** Not regulated  
**Class or Division:** None  
**UN/ID Number:** None

**IMDG**

**Proper Shipping:** Not regulated  
**Hazard Class:** None  
**UN Number:** None

**Marine Pollutant:** Copper

**15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

COPPER COMPOUND

**California Proposition 65:** No California Prop 65 chemicals are known to be present.

**TSCA Inventory Status:** All components of this product are listed (or exempt) on the EPA TSCA inventory.

**16. OTHER INFORMATION**

**Estimated NFPA Rating:** HEALTH 1, FLAMMABILITY 1, REACTIVITY 0.

**Estimated HMIS Classification:** HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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