

ITW Permatex  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** COPPER ANTI-SEIZE LUBRICANT 8OZ  
**Item No:** 09128  
**Product Type:** Lubricant

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	15-25	Not listed	Not listed
COPPER 7440-50-8	5-15	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>
GRAPHITE 7782-42-5	<10	2 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
MINERAL OIL 8042-47-5	<10	5 mg/m <sup>3</sup>	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 Carcinogen
COPPER 7440-50-8	5-15		A4 Not classifiable as a human carcinogen	

**Aggravated Medical Condition:** Preexisting pulmonary and dermatological disorders. Since this product contain 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:** Remove contaminated clothing and launder before reuse. 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 (107°C)

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

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

**Hazardous Products of Combustion:** Oxides of carbon, Oxides of sulfur

**Unusual Fire/Explosion Hazards:** None reasonably foreseeable.

**Lower Explosive Limit:** n/d

## 5. FIRE FIGHTING MEASURES

**Upper Explosive Limit:** n/d

## 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 in a cool, dry area.

**Handling:** Avoid contact with skin and eyes. Use in a well ventilated area. Do not take internally. Keep container closed when not in use. Wash hands and face after handling this compound.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses.

**Skin:** Neoprene or nitrile gloves recommended.

**Ventilation:** Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**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:** n/d

**Vapor Density (Air=1):** >1

**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)**

**U.S. Department of Transportation - DOT - 49 CFR (Ground)**

**DOT Shipping Name:** Not regulated

**Hazard Class:** None

**UN/ID Number:** None

**IATA (Air)**

**Proper Shipping Name:** Not regulated

**Class or Division:** None

**UN/ID Number:** None

**IMDG (Vessel)**

**Proper Shipping Name:** Not regulated

**Product Name:** COPPER ANTI-SEIZE LUBRICANT 8OZ

**Item No.** 09128

**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 at or above the No Significant Risk Level

**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 Association)  
(HMIS is a registered trademark of the National Paint and Coatings Association)

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