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

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Percent</th>
<th>ACGIH 8 Hr. TWA</th>
<th>OSHA 8 Hr. TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINERAL OIL 64741-44-2</td>
<td>20-30</td>
<td>5 mg/m³ TWA</td>
<td>10 mg/m³ TWA</td>
</tr>
<tr>
<td>DISTILLATES (PETROLEUM); HYDROTREATED HEAVY NAPHTHENIC 64742-52-5</td>
<td>20-30</td>
<td>5 mg/m³ mist</td>
<td>5 mg/m³ mist</td>
</tr>
<tr>
<td>COPPER 7440-50-8</td>
<td>15-25</td>
<td>1.0 mg/m³ (dust and mist as Cu); 0.2 mg/m³ (fumes) TWA</td>
<td>1.0 mg/m³ (dust and mist); 0.1 mg/m³ (fumes) TWA</td>
</tr>
<tr>
<td>CALCITUM OXIDE 1305-78-8</td>
<td>10-20</td>
<td>2 mg/m³ TWA</td>
<td>5 mg/m³ TWA</td>
</tr>
<tr>
<td>GRAPHITE 7782-42-5</td>
<td>1-10</td>
<td>2 mg/m³ respir.dust</td>
<td>5 mg/m³ TWA respir.; 15mg/m³ total</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Toxicity: Harmful if swallowed. At elevated temperatures may cause irritation of the respiratory tract. Repeated and prolonged inhalation of graphite dust may cause pulmonary fibrosis, emphysema and pneumoconiosis. This product contains encapsulated silicon dioxide (quartz silica). No exposure to free respirable silica is anticipated during normal use of this product. Silica may be released by grinding or machining of coated material. Use NIOSH-approved dust/mist respirator when grinding or machining. This product contains encapsulated metal powder which contains copper and zinc. No exposure to free metal is anticipated during normal use. If grinding or machining coated surfaces, use appropriate protective measures. Repeated or prolonged exposure to metal dust may cause metal-fume fever, metallic taste and discoloration of the skin and hair.

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

Signs and Symptoms of Exposure: Slightly irritating to eyes, but does not injure eye tissue. May cause skin irritation. Inhalation of dust at levels above recommended exposure limit may cause metallic or sweet taste, irritation of pharynx and possible ulceration with perforation of the nasal septum. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.

Medical Conditions Recognized as Being Aggravated by Exposure: Preexisting pulmonary and dermatological disorders

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: Move to fresh air in case of accidental inhalation of vapors. Obtain medical attention.
Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes 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 degrees F. Method: Pensky-Martens CC
Recommended Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.
Hazardous Products Formed by Fire or Thermal Decomposition: Irritating vapors, Oxides of sulfur, Oxides of carbon
Unusual Fire/Explosion Hazards: Finely divided dust in air may present explosion hazard. Prevent dust build up. Closed containers may rupture or explode when exposed to extreme heat.
**Product name:** COPPER ANTI-SEIZE LUBRICANT 8OZ

**Lower Explosive Limit:** Not determined.
**Upper Explosive Limit:** Not determined.

### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Reclaim clean material. Contaminated material should be swept or shoveled into appropriate waste container for proper disposal.

### 7. HANDLING AND STORAGE

**Storage:** Store away from heat.
**Handling:** Avoid contact with skin and eyes. Avoid contact with vapors from heated material. Keep container closed when not in use. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Do not take internally.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses.
**Skin:** Synthetic gloves.
**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 respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Copper colored
**Odor:** Petroleum Odor
**Boiling Point (°F):** 550 - 4215 degrees F.
**pH:** Does not apply
**Solubility in Water:** Insoluble
**Specific Gravity:** Not determined
**VOC Content(Wt.%):** None
**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 mineral acids, strong bases or oxidants, nitrates, nitrites, chlorinated hydrocarbons, chlorides, palladium, selenium, manganese, magnesium, potassium chlorate, sodium carbonate, sulfates, diborane

**Conditions to Avoid:** Heat
**Hazardous Products Formed by Fire or Thermal Decomposition:** Irritating vapors. Oxides of sulfur. Oxides of carbon.

### 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)**

**Domestic Ground Transport**
- **DOT Shipping Name:** Unrestricted
- **Hazard Class:** None
- **UN/ID Number:** None
**Product name:** COPPER ANTI-SEIZE LUBRICANT  8OZ

**Marine Pollutant:** Copper (P)

**IATA**
- Proper Shipping Name: Not regulated
- Class or Division: None
- UN/NA Number: None

**IMDG**
- Proper Shipping: Unrestricted
- Hazard Class: None
- UN Number: None

### 15. REGULATORY INFORMATION

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

**SARA 313 Information**
COPPER COMPOUND

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

**TSCA Inventory Status:**
Listed on Inventory: **YES** 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.

**Prepared By:** Denise Boyd, Health and Safety Manager
**Company:** Permatex. Inc.  10 Columbus Blvd.  Hartford, CT  USA 06106
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