PRODUCT DESCRIPTION
Permatex® Copper Anti-Seize Lubricant is a high temperature, premium quality copper anti-seize and thread lubricant. It contains a high percentage of micro-fine copper flakes in a non-melting petroleum base grease carrier and fortified with high quality rust and corrosion inhibitors. Meets or exceeds the requirements of Military Specification Mil-A-907E.

PRODUCT BENEFITS
Permatex® Copper Anti-Seize was designed specifically for use on stainless steel or similar alloys. It protects threaded fasteners and fittings from heat, freezing, seizure or galling at temperatures from -30°F to 1800°F. It may be used on pumps, sensors, valves, nuts and bolts where extreme conditions of heat exist. Permatex® Copper Anti-Seize also provides good electrical conductivity.

TYPICAL APPLICATIONS
- Spark plug threads installed into aluminum heads
- Exhaust manifold and engine bolts
- Oxygen sensors
- Knock sensors
- Thermostat housing bolts
- Fuel filter fittings
- Battery cable connections

DIRECTIONS: STIR WELL BEFORE USE
1. Clean mating surfaces before application.
2. For best results, apply to clean, dry surfaces.
3. Clean surfaces with Permatex® Brake & Parts Cleaner.
4. Wire brush any loose surface rust.
5. Apply Copper Anti-Seize to the parts that require protection.
6. Reassemble parts using normal torque values.
7. Wipe off excess material.

FOR CLEANUP
1. Clean parts with disposable towel.
2. Clean hands with Permatex® brand hand cleaners.

PROPERTIES OF MATERIAL

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Type</td>
<td>Grease</td>
</tr>
<tr>
<td>Appearance</td>
<td>Copper metallic paste</td>
</tr>
<tr>
<td>Odor</td>
<td>Light petroleum</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.2</td>
</tr>
<tr>
<td>Temperature Range, ºC (°F)</td>
<td>-22(-30) to 982(1800)</td>
</tr>
<tr>
<td>Viscosity, cPs</td>
<td>200,000 (base)</td>
</tr>
<tr>
<td>Flash Point, °C(°F)</td>
<td>149(300)</td>
</tr>
<tr>
<td>NFPA 704 Flammability Rating</td>
<td>1</td>
</tr>
</tbody>
</table>

GENERAL INFORMATION
WARNING: Not for use on wheel lug nut or stud applications.

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a lubricant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Container Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>31163</td>
<td>16 oz. brush-top bottle</td>
</tr>
<tr>
<td>09128</td>
<td>8 oz. brush-top bottle</td>
</tr>
</tbody>
</table>

STORAGE
Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C and 28°C (46°F and 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range.

NOTE
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