



ITW Performance Polymers
30 Endicott Street
Danvers, MA 01923
(855) 489-7262

Technical Data Sheet

Permatex[®] Copper Anti-Seize Lubricant

AAM Revised 10/17

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

	Typical Value
Chemical Type	Grease
Appearance	Copper metallic paste
Odor	Light petroleum
Specific Gravity	1.2
Temperature Range, °C (°F)	-22(-30) to 982(1800)
Viscosity, cPs	200,000 (base)
Flash Point, °C(°F)	149(300)
NFPA 704 Flammability Rating	1

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

Part Number	Container Size
31163	16 oz. brush-top bottle
09128	8 oz. brush-top bottle

STORAGE

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

NOTE

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. **Permatex, Inc. specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Permatex, Inc. products and disclaims any liability for consequential or incidental damages of any kind, including lost profits.** This product may be covered by one or more United States or foreign patents or patent applications.

NOT FOR PRODUCT SPECIFICATIONS.
THE TECHNICAL DATA CONTAINED HEREIN ARE INTENDED AS REFERENCE ONLY.
PLEASE CONTACT ITW PERFORMANCE POLYMERS TECHNICAL SERVICE DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS FOR YOUR SPECIFIC APPLICATION.
ITW PERFORMANCE POLYMERS 30 ENDICOTT STREET, DANVERS, MA 01923 PHONE (855) 489-7262