



Technical Data Sheet

Permatex[®] Copper Anti-Seize Lubricant

INDUSTRIAL

PRODUCT DESCRIPTION

S.I.N.: 834-300

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 semi-synthetic, 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

Threaded assemblies, slide fit assemblies, hinges, gears, chains and sprockets, cables and sheaves, lever pivot points, rollers, oil-still header bolts, furnace equipment threads, tetorts, kilns, ovens, exhaust system bolts and studs, turbine casting studs, marine equipment, mining equipment, farm equipment, heavy equipment, industrial equipment, drawing and forming of metals.

DIRECTIONS FOR 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

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected for use with 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° to 28°C (46° to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range.

NOTE

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Distributed by:

All-Spec Industries 800-537-0351 (phone)
Wilmington, NC 800-379-9903 (fax)
www.all-spec.com sales@all-spec.com