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## Technical Data Sheet

### Permatex<sup>®</sup> Nickel Anti-Seize

AAM Revised 10/11

#### PRODUCT DESCRIPTION

Permatex<sup>®</sup> Nickel Anti-Seize Lubricant is a high temperature, high quality, heavy duty lubricant that resists galling and corrosion and reduces wear in heavy pressure applications. It contains tenacious metals, oils and graphite materials that cannot be burned away or removed by slow moving parts. This product withstands temperatures ranging from -65°F to 2400°F (-54°C to 1316°C). It is recommended for use where copper contamination must be avoided, under conditions of extreme pressure and temperature and with stainless steel, titanium and nickel alloys. OEM recommended.

#### PRODUCT BENEFITS

Permatex<sup>®</sup> Nickel 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 -65°F to 2400°F. It may be used on pumps, sensors, valves, nuts and bolts where extreme conditions of heat exist.

#### TYPICAL APPLICATIONS

- Exhaust manifold bolts
- Exhaust system bolts
- Muffler clamps
- Tailpipe assemblies
- Catalytic converter assemblies

#### DIRECTIONS FOR USE

1. Clean mating surfaces before application.
2. For best results, apply to clean, dry surfaces.
3. Clean surfaces with Permatex<sup>®</sup> Brake & Parts Cleaner.
4. Wire brush any loose surface rust.
5. Apply Nickel 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<sup>®</sup> brand hand cleaners.

#### PROPERTIES OF MATERIAL

	Typical Value
Chemical Type	Mineral oil, nickel, graphite
Appearance	Gray paste
Odor	Petroleum
Specific Gravity	1.1
Temperature Range, °C (°F)	-54(-65) to 1316(2400)
Viscosity, cPs	200,000 (base)
Flash Point, °C(°F)	93(200)
NFPA 704 Flammability Rating	1

#### GENERAL INFORMATION

**This product is not recommended for use in pure oxygen and/or oxygen rich systems.**

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

#### ORDERING INFORMATION

Part Number	Container Size
77134	0.5 oz tube, carded
77124	8 oz. brush-top bottle
77164	16 oz. brush-top bottle

#### 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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