

Bostik[®] NEVER-SEEZ[®]

ANTI-SEIZE & LUBRICATING COMPOUND PURE NICKEL SPECIAL

PRODUCT DESCRIPTION :

NEVER-SEEZ[®] Pure Nickel Special compound is a superior, extreme high temperature anti-seize and extreme pressure lubricant. It contains flake particles of pure nickel, graphite and other additives in a special grease carrier found to enhance anti-seize performance. It is recommended for use where applications prohibit the presence of copper, and specially where resistance to corrosive acidic and caustic solutions is required.

The use of NEVER-SEEZ[®] Pure Nickel Special compound provides the following advantages:

- * Excellent heat dispersing qualities
- * Minimizes corrosion on fasteners in exhaust manifolds and boilers
- * Enables faster disassembly when repairs are needed even after exposure to high temperatures
- * Resists galvanic action between many dissimilar metals
- * Prevents seizure at high temperatures common to power generating plants and steel mills.
- * Resistance to strong alkaline solutions
- * Resistance to most chemical and acid vapours, road salt, steam, salt water, and ionized water.
- * Prevents galling on steel to stainless steel, titanium, magnesium and other hand metals.

TECHNICAL SPECIFICATIONS

Colour	Silver
Temperature range	- 297° to 2600° F.
Solvent resistance	Excellent in water, salt water, and ionized water
Particle size	1 micron maximum
Viscosity (CP)	450,000
NLGI Grade (ASTM D-217)	1
Specific gravity	1.26
Flash point	260 °C open cup
Dropping point (ASTM D-566)	< 360° F.
Coefficient of friction @ 167 ° C (ASTM D-2266)	0.062
Extreme pressure properties (ASTM D-2783)	32.000 PSI
Worked penetration (ASTM D-217-A)	300-350
Copper corrosion test (212 °F 24 hours)	No corrosion

Electrical Properties :

	<u>Dissipation</u>	<u>Dielectric</u>	<u>Resistivity</u>	<u>Conductivity</u>
Cycles	Factory	Constant	OHMS-cm	Mhos/cm
1,000	0255	14.6	4.2×10^9	6.76×10^{-10}
10,000	.0031	13.4	3.5×10^9	3.77×10^{-1}

INGREDIENTS :

A special, high-quality bearing grease with graphite, pure nickel powder, aluminium powder and other additives. Contains no molybdenum disulfide, lead, or mercury except as trace elements.

SHELF LIFE

NEVER-SEEZ[®] Pure Nickel Special compound does not deteriorate with age when stored at temperatures below 120 ° F. The quality and performance is guaranteed for two years after purchase.

HEALTH & SAFETY

Due to the unique homogenous blending of grease with fine particles of lubricity enhancing metals, NEVER-SEEZ[®] Pure Nickel Special compound is completely safe to use. There are no harmful vapours, or skin sensitivity problems. Care should be taken to prevent eye contact and ingestion. Clean hands with soap and water. Use in accordance with Material Safety Data Sheet

TRACE ELEMENTS :

(parts per million)

<u>Elements</u>	<u>Test Data</u> <u>Average of Typical Batches</u>	<u>Maximum</u> <u>Manufacturing</u> <u>Limits</u>
Copper	15 PPM	50 PPM
Zinc	10 PPM	50 PPM
Iron	100 PPM	125 PPM
Magnesium	1 PPM	5 PPM
Inorganic Chlorides	5.5 PPM	10 PPM
Total Chlorides	70 PPM	500 PPM
Inorganic Fluorides	12 PPM	15 PPM
Total Fluorides	10 PPM	25 PPM
Lead	2.5 PPM	50 PPM
Antimony	None Detected	5 PPM
Arsenic	None Detected	5 PPM
Phosphorous	None Detected	5 PPM
Sulfur	105 PPM	300 PPM
Cadmium	20 PPM	50 PPM
Mercury	None Detected	1 PPB
Silicon	30 PPM	50 PPM
Tin	5 PPM	50 PPM
Silver	2.0 PPM	50 PPM
Selenium	4.0 PPM	10 PPM