



PRODUCT DATA

Pure Nickel Special and Nuclear Grade

Product Description

Never-Seez Pure Nickel Special and Nuclear Grade are superior, high temperature anti-seize and extreme pressure lubricants. They contain flake particles of pure nickel, graphite and other additives in a special grease carrier found to enhance anti-seize performance. Both products are recommended for use when applications prohibit the presence of copper, especially when resistance to corrosive acidic and caustic solutions is required.

The same high quality product as Pure Nickel Special, Nuclear Grade Never-Seez is specially tested and certified pure for use in nuclear power plants. Each production lot of Nuclear Grade Never-Seez is tested for contaminants of sulfur, halogens and low-melt metals and each container is labeled with the lot number that certifies purity.

Product Benefits

- Excellent heat dispersing qualities.
- Minimizes corrosion.
- Prevents seizure at high temperatures.
- Resists galvanic action between dissimilar metals.
- Enable fast disassembly-even after high temperature exposure.
- Prevents galling on steel to stainless steel, titanium, magnesium and other hard metals.
- Resists alkaline solutions, most chemical and acid vapors, road salt, steam, salt water, ionized water.

Product Applications

- Fittings, fasteners exposed to high temperatures in steel mills, power plants, nuclear plants
- Stainless steel pipe fittings, flanges, pump fittings
- Fasteners in exhaust manifolds and boilers
- Steam generators
- Assembly of dissimilar metals

Limitations

- Never-Seez Pure Nickel Special and Nuclear Grade are not recommended for high speed bearing applications. Never-Seez Red Bearing Lubricant is suggested for these applications.
- In applications where indirect food contact is possible, use USDA approved Never-Seez White Food Grade.



Technical Specifications

Color	Silver	
Temperature Range, °F	-297°F to 2400	
Particle Size	2 mil maximum	
Specific Gravity	1.23 to 1.29	
		ASTM Test Method
NLGI Grade	1/2	D-217
Flash Point, °F	500°F open cup	D-92
Dropping Point, °F	360°F	D-566
Worked Penetration	300-350	D-217
Coefficient of friction @ 167°F	.092	D-2266
Coefficient of friction, k factor	.158	
Solvent Resistance	Excellent in water, salt water, and ionized water	
Extreme pressure properties, psi	32,000 D-2596	
Copper corrosion test (212°F, 24 hours)	No corrosion	

Specifications: G.E., Atomic Equipment Division, #D50YP12; Ford ESE-M12A4-A; Ford WSD-M13P8-A1; MIL-A-907F; Boeing BAC 5008 Type 7-3; U.T. Pratt & Whitney PWA 36053-1; G.E. Engine ASO-TF19A Class A; Garrett Engine PCS5721.

Other Anti-Seize Lubricants from Bostik

- Regular Grade
- High Temp Stainless
- High Temp Stainless, Nuclear Certified
- Blue Moly Lubricant
- Black Moly
- Red Bearing Lubricant
- White Food Grade with PTFE
- High Temperature Bearing Lubricant
- Pipe Compound with Teflon®
- Marine Grade

Ingredients: A special, high-quality bearing grease with graphite, pure nickel, 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 unopened at temperatures below 120°F. Quality and performance are guaranteed for five years after purchase on unopened containers.

Use in accordance with Material Safety Data Sheet.

Maximum Specification Limits

Arsenic, As	<50 ppm
Antimony, Sb	<50 ppm
Bismuth, Bi	<50 ppm
Cadmium, Cd	<50 ppm
Gallium, Ga	<50 ppm
Indium, In	<50 ppm
Lead, Pb	<10 ppm
Mercury, Hg	<1 ppm
Silver, Ag	<50 ppm
Tin, Sn	<50 ppm
Zinc, Zn	<50 ppm
Total Chlorine	<200 ppm
Total Nitrate	<200 ppm
Total Sulfur	<200 ppm
Total Phosphorous	<200 ppm

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Ordering Information

PURE NICKEL SPECIAL

STOCK NUMBER	DESCRIPTION	SIZE
NSN-165	Flat Top	1 lb.
NSN-8	Flat Top	8 lb.
NSBT-8N	Brush Top	8 oz.
NSBT-16N	Brush Top	1 lb.
NSN-16A	Aerosol Spray	16 oz.
NSN-42B	Pail	42 lb.

NUCLEAR GRADE

STOCK NUMBER	DESCRIPTION	SIZE
NG-165	Flat Top	1 lb.
NG-4	Flat Top	4 lb.
NG-8	Flat Top	8 lb.
NGBT-8	Brush Top	8 oz.
NGBT-16	Brush Top	1 lb.
NG-42	Pail	42 lb.

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