

# Pure Nickel Special

## Product Description

Never-Seez<sup>®</sup> Pure Nickel Special is a superior, high temperature anti-seize and extreme pressure lubricant containing flake particles of pure nickel, graphite and other additives in a special grease carrier found to enhance anti-seize performance.

Recommended for use when applications prohibit the presence of copper, especially when resistance to corrosive acidic and caustic solutions is required.

## Product Benefits

- Excellent heat dispersing qualities
- Minimizes corrosion
- Prevents seizure at high temperatures
- Resists galvanic action between dissimilar metals
- Enables 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<sup>®</sup> Pure Nickel Special is not recommended for high speed bearing applications. Never-Seez<sup>®</sup> Red Bearing Lubricant is suggested for these applications.
- In applications where indirect food contact is possible, use USDA approved Never-Seez<sup>®</sup> White Food Grade.

## Other Anti-Seize Lubricants

- Regular Grade
- High Temperature Bearing Lubricant
- High Temp Stainless
- Pipe Compound with Teflon<sup>®</sup>
- High Temp Stainless, Nuclear Certified
- Marine Grade
- Blue Moly Lubricant
- Black Moly
- Red Bearing Lubricant
- White Food Grade with PTFE
- Pure Nickel Special, Nuclear Grade
- Heavy Metal Free



## Technical Specifications

Color	Silver	
Temperature Range, °F (°C)	-22°F to 2400°F (-30°C to 1316°C)	
Thickener Type	Lithium Soap	
Particle Size, mil (microns)	2 maximum (50 µ)	
Density, (g/cm <sup>3</sup> )	1.24 - 1.3	
		ASTM Test Method
Flash Point, °F (°C)	>475°F (>246°C)	D-92
Copper Corrosion Test @ 212°F (100°C), 24 hrs.	No corrosion	D-130
Worked Penetration: 60 strokes @ 77°F (25°C)	260-310	D-217
NLGI Grade	1/2	D-217
Dropping Point, °F (°C)	360°F (182°C)	D-566
Water Washout, % loss @ 100°F @ 175°F	<2 <5	D-1264
Coefficient of Friction @ 167°F (75°C), Four Ball	0.092	D-2266
Torque Coefficient, k factor	0.158	
Four Ball EP Load Wear Index	68	D-2596
Last Non-seizure Load (scar)	79 kgf (0.59 mm)	
Last Seizure Load (scar)	250 kgf (1.46 mm)	
Weld Load	315 kgf	
<b>Electrical Properties</b>		D-150
Cycles	Dissipation Factor	Dielectric Constant
1,000	0.0227	10.56
10,000	0.0347	10.26

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

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**Shelf Life:** Never-Seez® Pure Nickel Special compound does not deteriorate with age when stored unopened at temperatures below 120°F (49°C). Quality and performance are guaranteed for five years from the date of manufacture on unopened containers.

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**Use in accordance with Material Safety Data Sheet.**

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**Ordering Information:**

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NEVER-SEEZ® PURE NICKEL SPECIAL

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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-42B	Pail	42 lbs.
NSN-130B	Drum	130 lbs.
NSN-425B	Drum	425 lbs.

**Bostik, Inc.**  
211 Boston Street  
Middleton, MA 1949-2128 USA  
Technical Service: 888-603-8558  
FAX: 978-750-7293  
<http://www.bostik-us.com>

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