

NEVER-SEEZ®

Anti-Seize & Lubricating Compound

PRODUCT DATA

Pure Nickel Special

Product Description

Pure Nickel Special and Nuclear Grade Never Seez 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 by an independent lab for contaminants of sulfur, halogens and low-melt metals and each container is labeled with the lot and test report number that certifies purity.

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 strong 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

Limitations

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

Other Anti-Seize Lubricants from Bostik

- Regular Grade
- Marine Grade
- Blue Moly
- Red Bearing Lubricant
- Black Moly
- White Food Grade with PTFE



Technical Specifications

Color	Silver
Temperature range	-297° to 2400°F
Solvent resistance	Excellent in water, salt water, and ionized water
Particle size	2 mil
Viscosity (CP)	350,000
NLGI Grade (ASTM D-217)	1
Specific Gravity	1.26
Flash Point	500°F open cup
Dropping point (ASTM D-566)	360°F
Coefficient of friction @ 167°F (ASTM D-2266)	.092
Coefficient of friction "K" Factor	.158
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

SPECIFICATIONS: Meets G.E., Atomic Equipment Division, # D50YP12

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 is guaranteed for two years after purchase on unopened containers.

WARNING. CAUSES EYE IRRITATION: AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING.

Caution: Contains minor amount of suspected carcinogen.

First Aid: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Use in accordance with Material Safety Data Sheet.

Trace Elements (Parts per million) Nuclear Grade

ELEMENTS	TEST DATA Average of Typical Batches	MAXIMUM Manufacturing Limits
Zinc	10 PPM	50 PPM
Magnesium	1 PPM	5 PPM
Inorganic Chlorides	5.5 PPM	10 PPM
Total Chlorides	70 PPM	500 PPM
Total Fluorides	15 PPM	300 PPM
Lead	10 PPM	150 PPM
Arsenic	None Detected	5 PPM
Phosphorous	None Detected	5 PPM
Sulfur	105 PPM	700 PPM
Cadmium	20 PPM	50 PPM
Mercury	0.1 PPM	1 PPM
Silver	2.0 PPM	50 PPM
Selenium	4.0 PPM	10 PPM

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.

IMPORTANT NOTICE

All statements, technical information and recommendations set forth herein are based on tests which Bostik believes to be reliable. However, Bostik cannot guarantee their accuracy or completeness. The buyer should conduct its own tests before use to determine proper preparation technique and suitability for proposed application. Bostik's only warranty is that its products conform with its written specifications, and are free from defects under normal usage; and Bostik's only obligation for noncompliance with this warranty is to replace the product or refund the buyer's purchase price. BOSTIK DISCLAIMS THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. In no case will Bostik be liable for direct, consequential, economic or other damages.

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