Other Anti-Seize Lubricants

• Regular Grade
• High Temperature Bearing Lubricant
• High Temp Stainless
• Pipe Compound with Teflon®
• High Temp Stainless, Nuclear Certified
• Marine Grade
• Black Moly
• Red Bearing Lubricant
• White Food Grade with PTFE
• Pure Nickel Special

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, Nuclear Grade 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.

Use in accordance with Material Safety Data Sheet.

Ordering Information:

<table>
<thead>
<tr>
<th>STOCK NUMBER</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NG-165</td>
<td>Flat Top</td>
<td>1 lb.</td>
</tr>
<tr>
<td>NG-4</td>
<td>Flat Top</td>
<td>4 lb.</td>
</tr>
<tr>
<td>NG-8</td>
<td>Flat Top</td>
<td>8 lb.</td>
</tr>
<tr>
<td>NGBT-8</td>
<td>Brush Top</td>
<td>8 oz.</td>
</tr>
<tr>
<td>NGBT-16</td>
<td>Brush Top</td>
<td>1 lb.</td>
</tr>
</tbody>
</table>

Maximum Specification Limits

<table>
<thead>
<tr>
<th>Element</th>
<th>Maximum Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arsenic</td>
<td>&lt;50 ppm</td>
</tr>
<tr>
<td>Antimony</td>
<td>&lt;50 ppm</td>
</tr>
<tr>
<td>Bismuth</td>
<td>&lt;50 ppm</td>
</tr>
<tr>
<td>Cadmium</td>
<td>&lt;50 ppm</td>
</tr>
<tr>
<td>Gallium</td>
<td>&lt;50 ppm</td>
</tr>
<tr>
<td>Indium</td>
<td>&lt;50 ppm</td>
</tr>
<tr>
<td>Lead</td>
<td>&lt;10 ppm</td>
</tr>
<tr>
<td>Mercury</td>
<td>&lt;1 ppm</td>
</tr>
<tr>
<td>Silver</td>
<td>&lt;50 ppm</td>
</tr>
<tr>
<td>Tin</td>
<td>&lt;50 ppm</td>
</tr>
<tr>
<td>Zinc</td>
<td>&lt;50 ppm</td>
</tr>
<tr>
<td>Total Chlorine</td>
<td>&lt;200 ppm</td>
</tr>
<tr>
<td>Total Nitrate</td>
<td>&lt;200 ppm</td>
</tr>
<tr>
<td>Total Sulfur</td>
<td>&lt;200 ppm</td>
</tr>
<tr>
<td>Total Phosphorus</td>
<td>&lt;200 ppm</td>
</tr>
</tbody>
</table>

Teflon is a Registered Trademark of Dupont.

Product Description

Never-Seez® Pure Nickel Special, Nuclear Grade 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.

Never-Seez® Pure Nickel Special, Nuclear Grade 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® Pure Nickel Special, Nuclear Grade is 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.
Other Anti-Sieze Lubricants

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

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, Nuclear Grade 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.

Use in accordance with Material Safety Data Sheet.

Ordering Information:

<table>
<thead>
<tr>
<th>STOCK NUMBER</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NG-165</td>
<td>Flat Top</td>
<td>1 lb.</td>
</tr>
<tr>
<td>NG-4</td>
<td>Flat Top</td>
<td>4 lb.</td>
</tr>
<tr>
<td>NG-8</td>
<td>Flat Top</td>
<td>8 lb.</td>
</tr>
<tr>
<td>NGBT-8</td>
<td>Brush Top</td>
<td>8 oz.</td>
</tr>
<tr>
<td>NGBT-16</td>
<td>Brush Top</td>
<td>1 lb.</td>
</tr>
</tbody>
</table>

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 Phosphorus <200 ppm

Teflon® is a Registered Trademark of Dupont.

**Product Description**

Never-Seez® Pure Nickel Special, Nuclear Grade 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.

Never-Seez® Pure Nickel Special, Nuclear Grade 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 seizing 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, 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, Nuclear Grade is 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.
- Limitation: Never-Seez® Pure Nickel Special, Nuclear Grade is not recommended for high speed bearing applications. Never-Seez Red Bearing Lubricant is suggested for these applications.

**Technical Specifications**

<table>
<thead>
<tr>
<th>Color</th>
<th>Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Range, °F (°C)</td>
<td>-297°F to 2400°F (-183°C to 1316°C)</td>
</tr>
<tr>
<td>Particle Size, mil (microns)</td>
<td>2 mil (50 µ) maximum</td>
</tr>
<tr>
<td>Solvent Resistance</td>
<td>Excellent in water, salt water, and ionized water</td>
</tr>
<tr>
<td>Density, (g/cm³)</td>
<td>1.28 to 1.32</td>
</tr>
<tr>
<td>ASTM Test Method</td>
<td>D-217</td>
</tr>
<tr>
<td>NLGI Grade</td>
<td>1/2</td>
</tr>
<tr>
<td>Flash Point, °F (°C), open cup</td>
<td>&gt;-482°F (-250°C)</td>
</tr>
<tr>
<td>Worked Penetration</td>
<td>300-350</td>
</tr>
<tr>
<td>Dropping Point, °F (°C)</td>
<td>360°F (182°C)</td>
</tr>
<tr>
<td>Coefficient of Friction @ 167°F (75°C)</td>
<td>0.092</td>
</tr>
<tr>
<td>Torque Coefficient, k factor</td>
<td>0.158</td>
</tr>
</tbody>
</table>

**Important Notice**

All statements, technical information and recommendations set forth herein are based on tests which Bostik Findley, Inc. believes to be reliable. However, Bostik Findley does not guarantee their accuracy or completeness. The buyer should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. Any sales of this product shall be on terms and conditions set forth on Bostik Findley’s order acknowledgment. Bostik Findley, Inc. warrants that the product conforms with Bostik Findley’s written specifications, and is free from defects. BOSTIK FINDLEY, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE BUYER’S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE FOR THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER’S PURCHASE PRICE. IN NO CASE WILL BOSTIK FINDLEY BE LIABLE FOR DIRECT, CONSEQUENTIAL ECONOMIC OR OTHER DAMAGES.

**Product Data**

**NEVER SEEZ Anti-Seize & Lubricating Compound**

**Product Description**

Never-Seez® Pure Nickel Special, Nuclear Grade 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.

Never-Seez® Pure Nickel Special, Nuclear Grade 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 seizing 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, 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, Nuclear Grade is 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: -297°F to 2400°F (-183°C to 1316°C)
- Particle Size: 2 mil (50 µ) maximum
- Solvent Resistance: Excellent in water, salt water, and ionized water
- Density: 1.28 to 1.32 g/cm³
- ASTM Test Method: D-217
- NLGI Grade: 1/2
- Flash Point, °F (°C), open cup: >-482°F (-250°C)
- Worked Penetration: 300-350
- Dropping Point, °F (°C): 360°F (182°C)
- Coefficient of Friction @ 167°F (75°C): 0.092
- Torque Coefficient, k factor: 0.158

**Important Notice**

All statements, technical information and recommendations set forth herein are based on tests which Bostik Findley, Inc. believes to be reliable. However, Bostik Findley does not guarantee their accuracy or completeness. The buyer should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. Any sales of this product shall be on terms and conditions set forth on Bostik Findley’s order acknowledgment. Bostik Findley, Inc. warrants that the product conforms with Bostik Findley’s written specifications, and is free from defects. BOSTIK FINDLEY, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE BUYER’S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE FOR THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER’S PURCHASE PRICE. IN NO CASE WILL BOSTIK FINDLEY BE LIABLE FOR DIRECT, CONSEQUENTIAL ECONOMIC OR OTHER DAMAGES.

**PRODUCT DATA**

**NEVER SEEZ Anti-Seize & Lubricating Compound**

**IMPORTANT NOTICE**

All statements, technical information and recommendations set forth herein are based on tests which Bostik Findley, Inc. believes to be reliable. However, Bostik Findley does not guarantee their accuracy or completeness. The buyer should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. Any sales of this product shall be on terms and conditions set forth on Bostik Findley’s order acknowledgment. Bostik Findley, Inc. warrants that the product conforms with Bostik Findley’s written specifications, and is free from defects. BOSTIK FINDLEY, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE BUYER’S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE FOR THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER’S PURCHASE PRICE. IN NO CASE WILL BOSTIK FINDLEY BE LIABLE FOR DIRECT, CONSEQUENTIAL ECONOMIC OR OTHER DAMAGES.

**Bostik Findley, Inc.**

211 Boston Street
Middleton, MA 1949-2128 USA

Technical Service: 888-603-8588
Fax: 978-750-7293
http://www.bostikfindley-us.com