

# Bostik<sup>®</sup> NEVER-SEEZ<sup>®</sup>

ANTI-SEIZE & LUBRICATING COMPOUND REGULAR GRADE

What is NEVER-SEEZ Compound ?

NEVER-SEEZ Compound is a superior, high temperature anti-seize and lubricating compound containing very finely coated metallic particles in a special hydrocarbon carrier which seal and protect metal parts under the most extreme conditions of heat, pressure, and contamination's. The fine, protective film of NEVER-SEEZ cannot be burned off or completely removed by abrasion. NEVER-SEEZ Compound cannot be washed off by fresh or salt water. Application of NEVER-SEEZ insures trouble-free protection against seizure, corrosion, pitting, and galling of metal parts. The costly expense of down-time, maintenance and repair of parts can be greatly reduced by using NEVER-SEEZ Compound, and advanced anti-seize and sealing material which also has excellent lubricating qualities. NEVER-SEEZ Compound, as a lubricant with unusual anti-seize qualities, is an excellent extreme pressure and high temperature material for many BEARING APPLICATIONS.

Why use NEVER-SEEZ Compound?

Reduce "Down-Time" Cut Cost of Replacement Parts Speed-Up Repair Easy Maintenance

1. Effective as an anti-seize compound to 980 °C and in temperatures as low as -180 °C (Cryogenic Applications). Provides wide range of protection.
2. Resists water washout and salt action will not wash off or dissolve in spray.
3. Contains no silicone, molybdenum disulphide or lead.
4. Non-Corrosive and inert. No reaction with any other metals.
5. Resists galvanic action between dissimilar metals, eliminates metal to metal electrolysis and pitting.
6. Protects against carbon fusion-----reduces Diesel engine down-time
7. Non-Toxic , excellent for use on food processing machinery
8. Unusual spreadability very economical upto 186 sq.ft. It coverage per lb. based on film thickness of 4 mills, will provide a continuous film as thin as 1/2 mill.
9. Inert to most gases, including propane, butane natural gas, helium, freon and nitrogen. DO NOT use NEVER-SEEZ with oxygen systems. NEVER-SEEZ "NICKEL SPECIAL" should be used when ammonia and acetylene are present.
10. Excellent for preventing seizure of stainless steel parts.
11. NEVER-SEEZ is impervious to strong alkaline solutions.
12. Extreme pressure characteristics over 32,000 psi

## NEVER-SEEZ<sup>®</sup> 'Industrial Applications Unlimited'

1. **Foundry** : For coating the mold, before pouring in metal to keep the mold from sticking to the metal and causing breakage in removal.

2. **Gas Utility** : The shut-off valves under ground.
3. Bethlehem Steel uses NEVER-SEEZ on the soot blowers of the open hearth and blast furnaces. The stainless steel fittings are subject to terrific heat and corrosion. Previously, these **fittings** had to be burned off. Now they are able to unthread and save Rs.100 per fitting in addition to the time saved.
4. To prevent sticking of brushes on **field generators**.
5. **Soldering Irons** : Tips were galling and corroding due to heat and oxidation, making it difficult or impossible to exchange soldering iron tips. NEVER-SEEZ eliminated this and reduced oxidation and scaling. Now there are no problems.
6. To facilitate **assembly and disassembly** of press fits, splines, and keyed assemblies.
7. **Pipe thread compound** for tighter, leakproof, threaded joints in hot or cold lines handling water, steam, oil, chemicals, etc. Fittings will not seize and disassembly is easy, saves time and money.

**TECHNICAL SPECIFICATIONS :**

Color	Silver
Temperature range	-180 °C to 980 °C
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-556)	180 °C
Coefficient of friction @ 75 °C.(ASTM D-2266)	0.42
Extreme pressure properties (ASTM D-2783)	32.00 psi
Worked penetration (ASTM D-217-A)	300 - 350
Copper corrosion test (100 °C 24 hours)	No corrosion

**ELECTRICAL PROPERTIES :**

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

**MEETS SPECIFICATIONS :**

MIL-A-907D