

Never-Seez Anti-Seize Compound Nuclear Grade

BOSTIK NEVER-SEEZ COMPOUND NUCLEAR GRADE is a superior product for high temperature anti-seize and extreme pressure lubrication that is specially tested and certified pure for use in nuclear power plants. Each production batch is tested for contamination by sulphur, halogens and low melt metals.

RECOMMENDED USE

BOSTIK NEVER-SEEZ COMPOUND NUCLEAR GRADE provides a fine protective film that cannot be completely burnt off or completely removed by abrasion, or washed off by fresh or salt water. The use of BOSTIK NEVER-SEEZ COMPOUND NUCLEAR GRADE provides the following advantages:-

- * Keeps parts working longer with less wear
- * Minimises part replacement costs
- * Enables faster dismantling when repairs are needed - reduces down-time
- * Prevents heat seizure, corrosion, galvanic pitting and electrolysis.

BOSTIK NEVER-SEEZ COMPOUND NUCLEAR GRADE contains very fine flakes of nickel, graphite, and other additives known to enhance anti-seize performance especially in corrosive acid and alkaline environments. Protection to approximately 1300°C under static conditions is provided. (Note: The grease carrier and other organic material will carbonise at approx. 300°C but the residual metallic flakes provide lubrication at the higher temperatures because they slip over each other).

BOSTIK NEVER-SEEZ NUCLEAR GRADE meets the requirements of

General Electric D50YP12

Westinghouse nuclear specification

Bectel nuclear specification

MIL-A-907

NOTE: The carrier in BOSTIK NEVER-SEEZ COMPOUND NUCLEAR GRADE has been developed specifically for these products which contain a high loading of additives designed to provide lubrication in static conditions at very high temperatures. Although used extensively in low speed bearing applications they are not recommended for high speed bearings.

IMPORTANT: DO NOT USE BOSTIK NEVER-SEEZ COMPOUND NUCLEAR GRADE WITH OXYGEN SYSTEMS. However, they are suggested for fixtures transporting ammonia and acetylene and can be used when corrosive vapours are present.

APPLICATION INSTRUCTIONS

Apply BOSTIK NEVER-SEEZ COMPOUND NUCLEAR GRADE by brush or aerosol spray to the mating surfaces of appropriate components. Then assemble these components as required.

It is not essential to degrease metal surfaces to which BOSTIK NEVER-SEEZ COMPOUND NUCLEAR GRADE is applied but all surfaces should be dry and free from foreign matter. Clean rusted metal surfaces by wire brushing and then removing the resulting surface powder.

CLEANER: Use CLEANER 2 or CLEANER 4 for removing excess compound and for cleaning application equipment.

TYPICAL CHARACTERISTICS

| | |
|-------------------------|--|
| Form | Viscous Paste |
| Colour | Grey |
| Chemical Type | Hydrocarbon grease with metallic and graphitic flakes |
| Viscosity | Paste |
| Particle size | 50 microns maximum |
| Solvent content | None |
| Temperature | -180 to +1315°C |
| Resistance | |
| Water Resistance | Very Good to Water , Salt Water , Steam and Humidity |
| Chemical Resistance | Good |
| Gas Resistance | Inert to most gases including propane , butane , natural gas , helium and nitrogen . DO NOT USE WITH OXYGEN SYSTEMS |
| Coefficient of Friction | 0.092 ASTM D-2266 |

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 Sulphur | <200 ppm |
| Total Phosphorous | <200 ppm |

PACKAGING

Please refer to Customer Service Department for current package sizes.

STORAGE

Store under dry conditions below 25°C.

Keep containers out of direct sunlight and away from other heat sources.

Keep containers tightly closed.

SHELF LIFE

5 years from date of manufacture, under the above conditions of storage.

MATERIAL SAFETY DATA

For further information refer to the relevant Health and Safety Data Sheet.

This Product Data Sheet covers just one of a large range of products supplied by Bostik Limited. Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This Product Data Sheet supersedes all previous technical information on this product, and users of it are cautioned to ensure that it is the current issue. Destroy all previous Product Data Sheets, and if any doubt, contact Bostik Limited, quoting the code number in the top right hand corner on the front of this document. This leaflet is for general guidance only and may contain inappropriate information under particular conditions of use. The company cannot accept any responsibility for loss or damage that may result from the use of this information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm the suitability of this product by their own tests.

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