



H-P Stainless Steel™ Anti Seize Nuclear grade

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Product Description

Anti-Seize Technology's H-P Stainless Steel™ Anti-Seize compound, Nuclear Grade, is formulated with ultra pure ingredients to meet the demanding requirements of the Nuclear and electrical power generating Industry. Each Lot is rigorously tested for halogens, sulfur, nitrates, nitrides and low melting metal elements which are specifically restricted for use in Nuclear power plants. Individual cans are marked with a Lot number and a lab report is available for conformance requirements.

H-P Stainless Steel™ Anti-Seize, Nuclear Grade contains our premium fully synthetic non melting base grease that withstands temperatures well in excess of 450°F. The non-melting characteristics means the product will not drip off your parts at extreme temperatures so you avoid contaminating the surrounding area. The grease is formulated with ingredients that were picked for their purity, high resistance to thermal oxidation and lubrication properties.

H-P Stainless Steel™ Anti-Seize, Nuclear Grade contains a blend of chemically purified graphite and stainless steel powder which provides a high amount of lubricity so parts assemble with easy without the fear of galling the threads. The Stainless Steel fillers form a laminar matrix of overlapping particles that will shield out moisture, provides a high degree of chemical, corrosion and UV resistance and is thermally conductive to dissipate heat away from the parts. The stainless steel fillers will provide thermal resistance up to up to 2400°F.

This product is recommended for use in application that cannot tolerate copper based product or where nickel containing products may pose an environmental issue. It is engineered for use on stainless steel piping systems as well as other alloys.

Uses

- Fasteners used to assemble flanges and other bolting applications.
- Nuclear and electrical generating plants
- Not recommended for bearings

Typical Properties

Property	Value
Fluid Type	Full synthetic base stock
Dropping Point	None
Color	Gray Silver
Flash Point	>470 °F
Thickener type	Treated fumed silica
Density	1.2g/cc
NLGI Consistency	#1
Water Wash out @100°F	<1%

Features and Benefits

- Meets Toshiba/Westinghouse APP-GW-Z0-606
- Meets General Electric/Hitachi D50YP12
- Nuclear Power Plants Class 1,2,3.
- Ultra low levels of restricted elements for the Nuclear and electrical generation industry. Extreme low levels of sulfur, halogens and low melting point metals
- Traceability of lot with test report
- Excellent chemical resistance
- Seals out moisture from the underlying parts to enhance corrosion protection
- Non-melting grease mean the compound will stay on the parts at elevated temperature without fear of dripping off and contaminating the surrounding areas.
- Low environmental impact
- Prevents galling and seizure when assembling hard metal alloys
- Service Temperatures from -50°F to 2400°F
- Not for use in oxygen service

Application

Follow the detailed cleaning procedures required for Nuclear applications. Apply a small amount of the compound to the threads of a bolt. For very large bolts the



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product can be applied to both the male and female threads.

Do not wipe off the excess material and return it the can as cross contamination could occur.

Assemble the parts following the manufactures or installers guidelines.

Cautions

This product is not recommended for use in an oxygen system and not as a sealant for chlorine or other strong oxidizing materials. Read all information on labels and Safety Data Sheets prior to use. All products should be tested and evaluated for a particular purpose prior to use.

GHS compliant

This product requires GHS pictograms on labels.

Refer to Label and SDS for GHS information.

Product Limited Warranty

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing. Also see warranty statement on website.

Available In:

SIZE: 8oz BT Metal can, 1 pound BT Metal Can,

P/N: 63010 63018

SIZE: 2 ½ pound open top can

P/N : 63025

ANTI-SEIZE TECHNOLOGY

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