Technical Information

Nikkel Lube

Anti Seize Paste

Nickel based high temperature anti seize compound meeting purity levels for nuclear power plant equipment

Applications

- Primary applications for Nikkel Lube is in Nuclear Power Plants, Steel Plants, Petrochemical & Fertilizer Units, Refineries for providing high temperature, extreme pressure, anti seize and anti corrosion lubrication for equipment as burner tips, furnace hinges, reactor bolts, studs, pipe fittings, threaded connections, flanges, pump fittings, unions.
- It can be used as a heavy duty anti seize thread compound for all high strength alloys, nickel alloys and stainless steel hardware or fittings to provide effective lubrication at high temperatures and prevent seizure.
- It can be safely used in the presence of ammonia, acetylene or vinyl monomers that are unstable in the presence of copper.

Benefits

- Extremely wide service temperature range from -30°C to +1427°C.
- Eliminates metal to metal contact and maintains lubrication qualities under wide variations of temperature and adverse operating conditions and prevents galling, hardening, fretting, seizure, stripping, cold-welding, sintering, fusion of threads, bolt breaking and distortion
- Enables faster and rapid assembly and non-destructive disassembly even after long term exposure to high temperatures and corrosive atmospheres
- Does not contain any ingredients that may poison reactor catalyst beds such as copper, lead, sulfurs, chlorides, halogens, silicones
- Highly resistant to hot & cold water, brine water, steam, humidity, moisture, dilute acids and alkalis, rust, corrosion and oxidation
- Safe to be used in the presence of ammonia, acetylene and vinyl monomers which are highly unstable in the presence of copper
- Low friction properties reduce wear and friction to increase life of the equipment
- Chemically inert and does not react with metals to cause pitting, and prevents inter granular or electrolytic corrosion of high strength ferrous or non-ferrous materials
- Extremely recommended for use on all high strength alloys, stainless steel and nickel alloys
- Meets purity levels for use in nuclear class hardware

Directions for Use

Use as supplied. Never dilute or mix with other oil or grease. Clean and degrease the surface prior to application. Remove all coatings, greases, dirt, grime, loose rust and scales by means of a fine thin wire. Apply Nikkel Lube liberally by means of a stiff wire brush on to the surface and evenly right down to the roots of threads. Excessive compound provides a good sealing effect and need not be removed.

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Anti Seize Paste

Technical Properties

Parameter	Value	Unit	Standard
Type	Solid lubricants, metal powders and additives in oil		
Appearance	Smooth homogenous paste		
Color [1]	Dark silver		
Penetration - worked - unworked	 310-340 290-320	 mm/10 mm/10	 ASTM 217
NLGI Class	1		DIN 51 818
Density, @ 25°C	1.3-1.4	g/cm^3	
Drop point	None	°C	ASTM D 566
Service temperatures [2]	-30 to +1427	°C	
SKF-Emcor method Degree of corrosion	0 / 0 (no corrosion)		DIN 51 802
Water resistance, static evaluation	1-90		DIN 51 807 pt.1
Approvals / specifications/ special properties	Meets purity levels for nuclear class hardware		

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.
2. Solid lubricants maintain lubrication up to +1427°C

Available Packaging

- 500 g
- 1 kg, 5 kg container

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Shelf Life

60 months from date of manufacture in sealed condition

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from ASV or your local ASV distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV® product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

ASV MULTICHEMIE PRIVATE LIMITED
Registered Office: W 46, TTC Industrial Area, MIDC Rabale, Navi Mumbai-400 701, INDIA
Tel: +91 (022) 2764 2514 I E-mail: info@asvmultichemie.com
MOLYSULF® & ASV® Specialty Lubricants & MRO Technical Chemicals.

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