



Copr Lube

Paste

Copper and solid lubricants paste for all nuts, bolts, screws, threaded connections; lead and nickel free

Applications

Anti seize, anti rust & effective lubricant for protection of parts operating under severe corrosion, temperatures and steam, humidity, water or chemical attack as: studs, nuts, bolts, screws, pipes, keys, u-bolts, splines, taps, slides, seals, slippers, joints, plugs, gears, chains, exhausts sprockets, valve stems, manifolds, couplings, adapters, bearings, gaskets, packings, drills, bushings, king pins, spindles.

For use on all threaded and flanged connections operating at very high temperatures to prevent seizure, corrosion and atmospheric influences as in: cat crackers, autoclaves, cylinder heads, furnace bolts, generators, fuel feed nozzles, boilers, reactors, ladles in steel plant, turbines, burners, extrusion mandrels, ovens, soot blowers, blast furnaces, pumps, engines, steel plant equipment, compressors, heat exchangers.

For use in oil rigs, refineries, petrochemical, chemical & fertilizer plants as a heavy duty thread assembly compound, pipe sealant and anti corrosion compound for components exposed to very high temperatures, steam, hot, cold, brine water, humidity, corrosive or chemical environments to provide protection, effective lubrication, sealing and corrosion protection and prevent seizure, jamming and rusting even after long operational hours under very severe conditions.

Note: Copr Lube is not for use as a lubricant for high-speed bearings. However it may be used for lubrication of heavily loaded bearings under very slow speeds.

Benefits

- Extremely wide service temperature range from -18°C to +1100°C.
- Eliminates metal-to-metal contact and maintains lubrication qualities under wide variations of temperature, pressures and adverse operating conditions.
- Prevents fretting, galling, tightening, welding of mating surfaces.
- Protects against galvanic corrosion between dissimilar metals in contact.
- Enables faster and rapid assembly and non-destructive disassembly even after long term exposure to high temperatures and corrosive atmospheres.
- Prevents stripping and cold-welding of threads and avoids sintering, fusion, thread stripping, bolt breaking and distortion.
- Low friction properties reduce wear and friction to increase life of the equipment and avoid costly replacements.
- Highly resistant to hot and cold water, steam, humidity, brine water, mild acids and alkalis, corrosion, aging and oxidation.

Directions for Use

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 Copr 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. Do not mix with conventional oils and greases.

Technical Information

Copr Lube

Paste

Technical Properties

Parameter	Value	Unit	Standard
Type	Solid lubricants, metal powders and additives in oil		
Appearance	Smooth homogenous paste		
Color ¹	Copper		
Penetration			
- worked, 60	280-310	mm/10	ASTM 217
- unworked	250-280	mm/10	
NLGI Class	1-2		DIN 51 818
Density, @ 25°C	1.3-1.4	g/cm ³	
Drop point	None	°C	ASTM D 566
Service temperatures ²	-18 to +1100	°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
Coverage	2-3	m ² /can	

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 +1100°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.

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