

Copr Lube Paste

For threaded connections; lead and nickel free

Product description

Micro fine copper and lubricating solids in a partly synthetic oil carrier along with inhibitors to prevent degradation by oxygen and corrosives. Copper and lubricating solids form a protective matrix over the surface by filling in microscopic voids to ensure protection and non-destructive disassembly and assembly even after elevated temperatures and long periods of working.

Features & benefits

- 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.
- 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.
- Highly resistant to hot and cold water, steam, humidity, brine water, mild acids and alkalis, corrosion, aging and oxidation.

Applications

- All bolted / threaded joints operating at very high temperatures such as in autoclaves, furnaces, boilers, reactors, turbines, extrusion mandrels, compressors, heat exchangers, gas generators, plastic molding machines, chemical and steel plant equipment.
- Heavy duty thread compound for studs, nuts, bolts, valve stems, spindles, exhaust pipes, cylinder and engine head screws, steam lines exposed to high temperatures, water and corrosives

How to use

Use as supplied. Never mix with other greases or dilute with any oils. For optimum performance, clean the contact surface.

Use any ASV heavy duty industrial strength solvent based cleaner degreaser available in aerosol spray or bulk liquid pack. When using a water based degreaser, ensure complete removal of any residues of the water based alkaline cleaning solution prior to applying grease.

Apply on clean, dry, degreased contact points by brush, cloth or chamois leather. Rub intensively on the metal surface to form a thin uniform lubricating film.

All ASV® pastes are high concentrations of solid lubricants in suitable oil carriers. Oil separation might occur over an extended period of time. If required, stir the contents by any simple mechanical means for a few minutes, and the product will regain its original consistency. Never use in excess as is customary with grease lubrication and never use paste instead of grease.

Test	Unit	Result	Standard
Appearance		Solid, grease	Visual
Colour		Copper	Visual
Base oil		Semi synthetic	Visual
Thickener		Inorganic	In house
Penetration (unworked)	mm/10	310-340	ASTM D-217
NLGI Class		1	DIN 51 818
Density @ 20°C	g/cm ³	1.15	ASTM D-1298
Drop point	°C	None	ASTM D-566
Lower operating temperature	°C	-18	In house
Upper operating temperature*	°C	+1100	In house
Four ball OK weld load	N	4000	DIN 51 350 pt.4
Water resistance		Very good	
Copper strip corrosion		1a	ASTM D-4048
Coverage	m ² /kg	3-4	
Shelf life from manufacturing month, unopened container	Months	60	In house
* thermal resistance of lubricating solids			

General

Use in well-ventilated areas. Avoid continuous breathing of vapor and spray mist. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

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.

Manufactured by:
ASV Multichemie Private Limited
E 14, Additional MIDC, Patalganga
Panvel-410 220 INDIA



WWW.ASVMULTICHEMIE.COM

Disposal

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

Limited warranty

Product manufactured is for industrial use only. 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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