



Bringing Quality & Excellence

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TECHNICAL DATA SHEET

SS-30™ Pure Copper High-Temp Anti-Size Thread Lubricant and Conductive Termination Compound

DESCRIPTION

SS-30 literally copper plates mating & sliding surfaces to provide protection against seizure, galling and heat-seizure. Its high content of copper particles prevents metal-to-metal contact, maintaining lubrication qualities under wide variations of temperature, expansion, contraction and cyclic pressures and loadings. SS-30 has a high content of micro-size, pure copper flakes that are homogenised into non-melting, non-volatile grease. It contains no lead or graphite, does not require mixing, will not separate, settle out, harden or dry out in storage. It is fortified with anti-oxidants and corrosion inhibitors. SS-30 is easy to use, brushes on readily and adheres tenaciously, even on wet or oily surfaces, ensuring complete and efficient coverage. It can be applied directly to hot surfaces without running off, dripping or thinning out. SS-30 is a special graphite-free formulation for stainless steel; this prevents embrittlement at high temperatures, pitting and breakage. It works equally well on a wide range of similar and dissimilar metals and mating parts. This includes steel, cast iron, brass, copper, plastics, titanium, gasket materials and packings.

ADVANTAGES

- Lead-free.
- Protects against seizure, heat-seize, galling, rust and other forms of corrosion.
- Ideal for use on stainless steel and for joining dissimilar metals.
- Brushes on easily.
- Highly adhesive on both wet and dry surfaces.
- 'Copper plates' to prevent metal-to-metal contact
- Will not run, drip, or settle out.
- Good thermal and electrical conductivity.

APPLICATIONS

HIGH TEMPERATURE: Threaded and flanged connections in internal combustion and jet engines. Use with heat exchangers, furnaces, catalytic crackers and other high temperature applications. Use as a heat-sink compound.
GENERAL: Studs, nuts, bolts, screws, slides, press fits, bushings, flanges and sliding surfaces

NB: DO NOT USE ON OXYGEN- OR LPG LINES

PRODUCT CHARACTERISTICS

Service range: -54°C (-65°F) to 982°C (1800°F)
 Thickener: Organo Clay
 Fluid Type: Petroleum

Colour/Appearance:	Copper Paste
Dropping point (ASTM D-566):	None
Specific Gravity (TYPICAL):	1,2
Flash Point (ASTM D-92) (TYPICAL):	293°C (560°F)
NLGI Grade:	2
Penetration:	280-300
Copper Strip Corrosion (ASTM D-4048):	1A
Oil Separation	
Wt. % Loss 24Hrs @ 100°C (212°F):	<2,0%
K-factor (60.000 – 80.000 psi 1" B7 stud):	0,13
Shell 4-Ball (ASTM D-2596)	
Weld Point, kgf:	250
Load wear Index:	N/A
Salt Fog Resistance (ASTM B-117) 20% NaCl @ 38°C (100°F):	>100 Hours

PACKAGING

Code	Net contents	Container
46514240	250g	Brush Top
11959823	500g	Brush Top
53206916	1kg	Tub
36485581	5kg	Pail
18925821	20kg	Pail

LIMITED WARRANTY

Jet-Lube (UK) Limited makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Limited materials and workmanship. This limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube (UK) Limited. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube (UK) Limited shall not be liable for incidental or consequential damages.



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