

## DESCRIPTION

**SS-30™** literally copper plates mating and sliding surfaces to provide protection against seizure, galling, and heat-freeze. 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™** contains a high content of micro size, pure copper flakes that are homogenized into a complex grease-base. **SS-30™** contains no lead or graphite, does not require mixing, and 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. It brushes evenly into thread roots and over any surface, assuring complete and efficient coverage.

**SS-30™** is specially formulated for subsea fittings, protecting them from pitting and breakage. It works equally well on a wide range of similar and dissimilar metals and mating parts, including steel, cast iron, brass, plastics, titanium gasket materials and packings. **SS-30™** is conductive and works well in protecting electrical contacts from corrosion.

- Lead Free
- Protects against seizure, heat-freeze, galling, rust and 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
- Color - Copper
- Conductive

## APPLICATIONS

**HIGH TEMPERATURE:** For threaded or flanged connections in internal combustion and jet engines. Use with heat exchangers, furnaces, cat crackers, and other high temperature.

### GENERAL USES:

Studs	Screws	Bushings
Nuts	Slides	Flanges
Bolts	Press Fits	Sliding Surfaces

**NOTE:** Not for use on oxygen lines. Not intended for use with aluminum where galvanic corrosion could be a significant issue.

### CONFORMS TO:

Military Specification MIL-PRF-907F

### SERVICE RATING:

-65°F (-54°C) to 1800°F (982°C)

## PRODUCT CHARACTERISTICS

Thickener	Clay
Fluid Type	Petroleum
Color/Appearance	Copper Paste
Specific Gravity	1.2
Density (lb/gal)	10.1
Oil Separation	<2.0
WT. % LOSS @ 212°F (100°C)	
Flash Point (ASTM D-92)	430°F (221°C)
NLGI Grade	1½
Penetration @77°F (ASTM D-217)	280 - 300
Copper Strip Corrosion (ASTM D-4048)	1A
Shell 4-Ball (ASTM D-2596)	
Weld Point, kgf	250
Load Wear Index	Not Applicable
K-Factor*/Nut-Factor	0.13-0.14
(1" B-7 Studs @ 60k – 80k psi Contact Stress)	

\*(T = K x D x F) where:

T = torque, K = nut factor, sometimes called the friction factor, D = bolt diameter, and F = bolt tension generated during tightening.

**For package types and part numbers contact [sales@jetlube.com](mailto:sales@jetlube.com)**

## LIMITED WARRANTY

For warranty information please visit

[http://www.jetlube.com/pdf/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/pdf/Jet-Lube_Warranty.pdf)

You can also email us at [sales@jetlube.com](mailto:sales@jetlube.com) or write to the Sales Department at the address below.