

OLIVALS

Online Valve Lubrication & Sealing

CS1 COPPER SEALANT

CS1 Copper Sealant is a premium copper based tool joint and drill collar compound formulated for use on oilfield tubular goods. The extreme pressure and anti-wear additives of CS1 Copper Sealant provide protection against galling and seizing and consistent makeup on all rotary shouldered connections under the most demanding conditions. CS1 Copper Sealant handles high temperatures and provides anti-seize performance required for breaking in new tool joints and lubricating drill collars. This lead-free compound is used in all drilling and anti-seize applications in the petroleum industry including refineries, petrochemical plants, and the water well industry. CS1 Copper Sealant will not build up in thread roots, a problem often experienced in other compounds. CS1 Copper Sealant assures constant makeup torque, is effective when used on downhole production tools or pumping equipment, and is recommended for use in areas of high temperatures.

FEATURES:

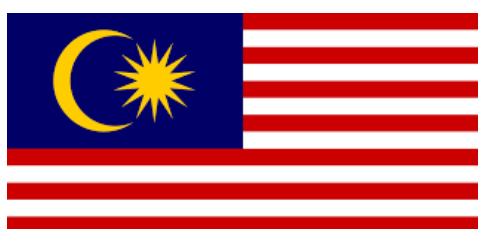
- Friction factor of 1.0
- Lead-free
- Resists corrosion
- Extreme pressure and anti-wear additives
- Protects against galling & seizing
- Consistent makeup
- Will not build up on threads roots
- Used in high temperature applications
- Lubricates drill collars
- Increases tool joint thread life

RECOMMENDED USE:

Recommended for use on rotary shouldered connections, and all drilling operations including high temperature applications.

TYPICAL OBSERVATIONS

Color	Copper
Texture	Smooth
Density, lb/gal @ 77°F (25°C)	11.75
Specific Gravity @ 77°F (25°C)	1.40
Dropping Point, ASTM D-2265	484°F (251°C)
Flash point, ASTM-92	>400°F (>204°C)
Penetration, ASTM D-217 @ 77°F (25°C)	325–355
Base Oil Viscosity, cSt @ 40°C	375
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	0.2%
Oil Separation, ASTM D-1742 @ 77° (25°C)	Nil
Corrosion Resistance, ASTM B-117	1000+ hrs
Friction Factor, API RP 5A3 Annex I	1.0
Temperature Range	10°F to 450°F (-12°C to 232°C)
Shelf Life (unopened container)	Four years



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Made in U.S.A.
CS1