

## DRILLING COMPOUND

# COPPER JOINT LEAD FREE



5 Gallon Plastic Pail

## PRODUCT CHARACTERISTICS

<b>Color:</b>	Copper
<b>Penetration:</b> (ASTM D217)	295-310
<b>NLGI Grade:</b>	1.5
<b>Weight/Gallon:</b>	10.2 pounds/gallon
<b>Thickener:</b>	Lithium
<b>Fluid Type:</b>	Petroleum
<b>Dropping Point:</b> (ASTM D2265)	≥350°F (≥177°C)
<b>Flash Point:</b>	≥392°F (≥200°C)
<b>Brushable To:</b>	10°F (-12°C)
<b>Service Rating:</b>	500°F (260°C)
<b>Friction Factor:</b>	1.1*
<b>Shelf Life:</b> (Unopened container)	4 years
<b>Contains:</b>	Copper, graphite and other nonmetallic additives

\*NOTE: Due to operation and equipment variables, this value may require adjustment based on field experience.

A safety data sheet is available from the manufacturer. Do not use on oxygen lines or in oxygen enriched atmospheres.

Note: All package sizes are not listed. Call your sales representative for a complete listing.

## DESCRIPTION

BESTOLIFE® Copper Joint Lead Free (CJLF) is a non-lead, non-zinc thread compound for rotary-shouldered connections. Its high copper content allows it to bear high-pressure stress. CJLF applies easily in a wide range of temperatures and conditions, and is resistant to washout. It will not harden or bleed excessively in storage.

## APPLICATIONS

Lead-free answer for drill collars and drill pipe. Recommended for all drilling applications (rotary-shouldered connections). It also is effective for use on open gear jack-up legs.

## TECHNICAL DATA

CJLF has been developed as an answer to the environmental restrictions and exposure concerns associated with the use of lead and zinc drill collar/tool joint thread compounds. CJLF has a torque correction factor of 1.1 (10% additional torque required) which will provide additional resistance to down-hole make-up as compared to lead or zinc compounds. It contains copper flake combined with a proprietary blend of graphite and other solids in a high-quality lubricating base grease formulated with H<sub>2</sub>S and oxidation inhibitors. It applies easily in a wide range of temperatures and conditions, is resistant to washout and will not harden or bleed excessively in storage. Conforms to API RP 5A3 evaporation, oil separation, and copper corrosion requirements.

## PACKAGING

PRODUCT NUMBER	CONTAINER SIZE	CONTAINER WEIGHT
635010	1 gallon	10 pounds plastic
635025	3 1/2 gallon	25 pounds metal
635050	5 gallon	50 pounds plastic

