



## SPECIFICATION SHEET

# COPPER SUPREME SPECIAL BLEND PLUS

## Non-Lead/Non-Zinc Thread Compound for Rotary Shouldered Connections

COLOR	Dark copper
PENETRATION	300 - 320 (ASTM D 217)
WEIGHT/GALLON	10.2 pounds/gallon
DROPPING POINT	500°F / 260°C (typ)
FLASH POINT	385°F / 196°C (min)
BRUSHABLE TO	15°F / -9°C
SERVICE RATING	600°F / 316°C
TORQUE FACTOR	1.1 (per API RP 7A1)*
SALT SPRAY, ASTM B117	2500 Hours, minimum
CONTAINS	Copper flake, synthetic and amorphous graphite, and other nonmetallic additives

Copper Supreme Special Blend Plus contains copper flake combined with a proprietary blend of amorphous and synthetic graphites, oxidation, corrosion, and H<sub>2</sub>S inhibitors, in a high temperature base grease. In addition to the galling and seizing protection provided by the solids, it also contains a soluble extreme pressure package that is surface active and helps to provide the load carrying capability required by the high bearing stresses present in rotary shouldered connections. Copper Supreme Special Blend Plus 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. The corrosion inhibitor it contains allows it to act as running and storage compound providing extended protection against corrosion. It applies easily in a wide range of temperatures and conditions, is resistant to wash-out, and will not harden or bleed excessively in storage.

**RECOMMENDED FOR** all drilling applications (rotary-shouldered connections), including high temperature environments. Also effective for use on open gear jackup legs.

\*API RP 7A1: "Recommended Practice for Testing of Thread Compound for Rotary Shouldered Connections"  
NOTE: Due to operation and equipment variables, this value may require adjustment based on field experience.

A MATERIAL SAFETY DATA SHEET IS AVAILABLE FROM THE MANUFACTURER.  
DO NOT USE ON OXYGEN LINES OR IN OXYGEN ENRICHED ATMOSPHERES.