



ECO-SAFE™

NONMETALLIC THREAD COMPOUND

DESCRIPTION

ECO-SAFE™ nonmetallic thread compound is a premium quality compound containing natural extreme pressure and anti-wear agents with a small portion of carbon based fibers. These components are blended into **JET-LUBE's** high temperature, biodegradable calcium complex base grease. The new base grease offers the additional advantage of superior adhesion to wet steel surfaces, resistance to water wash-off, and most drilling fluids. **ECO-SAFE™** is especially effective for invert or high-pH drilling fluids.

- Excellent performance on high-chrome nickel alloys, brass, and stainless steel.
- Contains no metals
- Extreme-pressure additives provide additional protection against seizing and galling
- Biodegradable to EU Standards
- Nontoxic
- High film strength
- Frictional properties acceptable for casing drilling applications

With **ECO-SAFE™**, “metal free” doesn’t mean “low performance”. It facilitates a consistent, easy make up on par with traditional thread compounds without the cost volatility and environmental concerns associated with metallic compounds. **ECO-SAFE™** offers excellent protection to threaded connections and the environment.

ECO-SAFE™ is NSF 61 Certified
Jet-Lube, LLC is listed by NSF International.

ECO-SAFE™ is also certified to NSF/ANSI 61, Annex G and is in compliance with California's Health & Safety Code Section 116875 (commonly known as AB1953) and Vermont Act 193.

PRODUCT CHARACTERISTICS

Thickener	Calcium Complex
Fluid Type	Petroleum
Dropping Point (ASTM D-2265)	≥ 450°F (232°C)
Friction Factor (API RP 5A)	1.0
Specific Gravity, typical	1.36
Density (lb/gal), typical	11.30
Oil Separation (ASTM D-6184)	<3.0
WT. % LOSS @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1
Penetration @77°F (ASTM D-217)	300 – 330
Copper Strip Corrosion (ASTM D-4048)	1A, typical
Service Rating	-20°F (-29°C) to 500°F (260°C)

Shelf Life: Minimum two years from manufacture date.

For package types and part numbers

www.jetlube.com/resources/product-index/

Limited Warranty

www.jetlube.com/assets/documents/Jet-Lube_Warranty.pdf