# ECO-SAFE NONMETALLIC THREAD COMPOUND

### DESCRIPTION

**ECO-SAFE™** nonmetallic thread compound is a premium quality, nonmetallic compound containing carbon based fibers and additives and other natural extreme pressure and anti-wear additives. These are blended into JET-LUBE's high temp calcium complex base grease. This new base grease offers the additional advantage of superior adhesion to wet steel surfaces, resistance to water wash-off, and most drilling muds. Especially effective for invert or high-pH muds.

- Excellent performance on high-chrome or nickel alloys
- Contains no metals
- NSF H2 Registered
- Extreme-pressure additives provide additional protection against seizing and galling
- Completely biodegradable
- Nontoxic

Crowder Supply Co., Inc. • 8495 Roslyn St., Commerce City, CO 80022 • Toll Free: 888-883-5144 • www.CrowderSupply.com

- High film strength
- High frictional properties ideal 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.

#### PRODUCT CHARACTERISTICS

Thickener Fluid Type	Calcium Complex Petroleum
Dropping Point (ASTM D-2265)	>450°F (232°C)
Specific Gravity, typical	1.30 ` ´
Density (lb/gal), typical	10.30
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	300 - 330
(ASTM D-217)	
Copper Strip Corrosion	1A, typical
(ASTM D-4048)	
Service Temperature	
Oilfield/Mining/Construction Drilling	-20°F (-29°C) to
	500°F (260°C)

Shelf Life: Minimum two years from manufacture date.

#### PACKAGING

Code No.	<b>Container Size</b>	Container
14523	1 Gal.	Pail
14512	2 Gal.	Pail
14515	5 Gal.	Pail

#### LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.

Edmonton, Canada

## **CORPORATE LOCATIONS**

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Maidenhead, England

**SUITE 232** 

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WATS: 800-538-5823 PHONE: 713-670-5700 FAX: 713-678-4604 sales@jetlube.com www.jetlube.com



### JET-LUBE, INC. MATERIAL SAFETY DATA SHEET

Chemical Family: Complex grease base Use: Thread lubricant and sealant, anti-seize compound Manufacturer/Supplier: JET-LUBE, INC. Address: 4849 Homestead Rd., Ste. #232 Houston, TX, 77028 USA Phone: 713-670-5700 Emergency Phone: 713-670-5700 Fax: 713-678-4604 Chemtrec 24 hours (USA): 800-424-9300 Outside the USA: 703-527-3887

			Outside th	<u>e USA</u> : 703-527-388	7
Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Lubricating Grease	74869219	45-50	N/A	N/A	N/A
Nonhazardous Blend	14807966/13463677 7789755	40-60			
Main Hazards-Health EffectsEyes:May cause irritation.IntSkin:For hypersensitive person				inhaled. Ingestion:	May cause diarrhea.
<b>Eyes:</b> Flush with water until all r difficulty continues, seek medical cleanser, followed by soap & wa	help. Ingestion: Wash	i out mouth im	mediately. Consult p	hysician. <u>Skin:</u> Wa	
Extinguishing Media: Foam, d Protective Equipment for Fire				st. <u>Unsuitable Extin</u>	guishing Media: Water jet.
<b>Personal Precautions:</b> Wear g up bulk, then wipe up remainder	•				
Handling: No special handling	precautions necessary.	<u>Storage:</u> Do	not store at elevated	temperatures.	
Respiratory Protection: None Eye Protection: Glasses, if app			tection: Protective ( tection: Overalls.	gloves for hypersensit	ive persons.
Physical State:     Semisolid paste       Melting Point °F (°C):     >400 (2       Explosive Properties:     LEL: 0.       Vapor Pressure (kPa):     <0.01	04) <u>Flash Point (CO0</u> 9% UEL: 7% <u>Evapo</u> <u>V.O.C. Content:</u> Nil	<u>C) °F (°C):</u> >₂ ration Rate ( Density (g/cr	30 (221) <u>Autoig</u> Butyl Acetate): <0.0 n <sup>3</sup> ): 1.26 Flammab	nition Temperature ° 01 Partition Coeffic	<b>F (°C):</b> >500 (260)
Stability:     Chemically stable unditemps.       temps.     Materials to Avoid:     Str       smoke, airborne soot, hydrocarbor     Acute Toxicity:     Not known.     I       Genotoxicity:     None known.     Chemical Str     Chemical Str       Classification (67/548/EEC):     Str     Str     Str	ong inorganic & organic ns & oxides of carbon, s rritancy–Skin: Very mi ronic Toxicity: None kr	acids, oxidizin <u>ulfur &amp; nitroge</u> Id. <u>Skin Se</u> nown. <u>Califor</u>	g agents. <u>Hazardou</u> n. Residue mainly co nsitization: Not kno nia Prop 65: N/A <u>C</u>	s Decomposition Pro mprised of soot & min wn. <u>Subacute/Sub-c</u> arcinogen: NTP:	oducts: Burning generates eral oxides. chronic Toxicity: Not known No IARC: No OSHA: No
Possible Effects: None Behavior: Relatively well behave Environmental Fate: Highly unl			on. Nontoxic to mari	ne or land organisms.	
Product Disposal: Do not incin Container Disposal: Pails withor waste disposal services, recycled	out liner-see Product Dis	posal section	above. Pails with pla		ly be disposed of via standard
Not classified as hazardous for tr Sea Transport (IMO & IMDG):			No.: Nonhazardous il Transport (ADR/R		<b>) &amp; IATA):</b> Nonhazardous
Labeling Information: None ne S Phrases: N/A, as known. Oz WHMIS (Canada): Not controlle SARA 311/312: None CERCL	cone Depleting Chemic d. <u>Canadian DSL:</u> All c	als: N/A <u>TS</u> components lis	CA: All components ted. 40 CFR Part 37		B Components: None
SDS first issued. SDS data re-	vised. <u>New Jersey Rig</u>	ht To Know:	See Section II		
ignature: <u>conall A Ola</u> repared by: Donald A. Oldige: ate Issued: September 29, 2	II.       III.       III. <	COMPOSITION INFOR HAZARDS IDENTIFIC, FIRST AID MEASURES FIRE FIGHTING MEAS ACCIDENTAL RELEASE HANDLING AND STOP	SURES E MEASURES	D COMPANY	HMIS SYMBOL HEALTH 1 FLAMMABILITY 1 REACTIVITY 0 PPI B NFPA SYMBOL

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