



Conforms to Regulation (EC) No. 1907/2006 - United Kingdom (UK)

### SAFETY DATA SHEET

#### JET-LUBE BULLSEYE

Product classified as non-hazardous according to NOHSC classification

#### 1. Identification of the substance/preparation and of the company/undertaking

<u>Identification of the substance or preparation</u>	
<b>Product Name:</b>	<b>JET-LUBE BULLSEYE</b>
<b>Use of the substance/preparation:</b>	Thread Compound for Sensitive Waterwell Drilling Applications.
<u>Company/undertaking identification</u>	
<b>Manufacturer:</b>	Jet-Lube, Inc. 4849 Homestead Rd., Suite 232 Houston, TX 77028 Email: <a href="mailto:doldiges@jetlube.com">doldiges@jetlube.com</a> USA Coporate phone: (713) 670-5700
<b>Australian Contact:</b>	Xtex Pty. Ltd ABN 40 121 722 236 80 Daly Street Ascot, WA 6104 1300-00-9839 phone 0437-272-490 mobile
<b>Emergency telephone numbers:</b>	NHS DIRECT in the UK USA: CHEMTREC: (800) 424-9300 Emergency number: 08454647 Outside US (Chemtrec): (703) 527-3887 Xtex Pty. Ltd 1300-00-XTEX

#### 2. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.	
<b>Classification:</b>	Not classified
<b>Physical/chemical hazards:</b>	Not applicable
<b>Human health hazards</b>	Not applicable
<b>Environmental hazards:</b>	Not applicable
See section 11 for more detailed information on health effects and symptoms.	

#### 3. Composition /information on ingredients

<u>Substance/preparation:</u>	Preparation				
<b>Ingredient name</b>	<b>CAS Number</b>	<b>EC Number</b>	<b>%</b>	<b>Classification</b>	
Castor Oil	8001-79-4	232-293-8	74 - 76	Not classified	
Mica	12001-26-2	310-127-6	1-2	Not classified	
PTFE	9002-84-0	Polymer	15-20	Polymer	
Silicone dioxide	7631-86-9	231-545-4	5 - 7	Not classified	
<b>The Oils and additives do not require carcinogenic listing.</b>					
<b>See section 16 for the full test of the R Phrases declared above.</b>					

\* Occupational Exposure Limit(s), if available, are listed in Section 8  
 The quantities of potential carcinogenic compounds detected in the oil are below the regulatory levels beyond which listing as carcinogenic material is required.

#### 4. First aid measures

<u>Effects and symptoms</u>	
<b>Inhalation:</b>	No known significant effects or critical hazards.
<b>Ingestion:</b>	No known significant effects or critical hazards.
<b>Skin Contact:</b>	No known significant effects or critical hazards.
<b>Eye contact:</b>	No known significant effects or critical hazards.
<u>First aid measures</u>	
<b>Inhalation:</b>	Inhalation is unlikely due to the paste nature of the product. In the event of inhalation clear air passage. If respiratory difficulty continues seek medical attention immediately.
<b>Ingestion:</b>	Wash out mouth with water. If material has been swallowed, do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Obtain medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
<b>Skin contact:</b>	Wash with soap and water. Remove contaminated clothing and shoes. Obtain medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

See section 11 for more detailed information on health effects and symptoms.

#### 5. Fire-fighting measures

<b>Extinguishing media:</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Special exposures hazards:</b>	No specific hazard.
<b>Hazardous thermal decomposition products:</b>	These products are carbon oxides (CO, CO2), nitrogen oxides (NO2,NO3, etc.) some metallic or mineral oxides and halogenated gases which may be toxic or corrosive.

## JET-LUBE BULLSEYE

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. Accidental release measures

<b>Personal precautions:</b>	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
<b>Environmental precautions:</b>	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
<b>Methods for cleaning up:</b>	If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

### 7. Handling and storage

<b>Handling:</b>	Wash thoroughly after handling.
<b>Storage:</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.
<b>Packaging materials</b>	
<b>Recommended:</b>	Use original container.
<b>Specific uses:</b>	Not available.

### 8. Exposure controls/personal protection

<u>Ingredient Name:</u>	<u>Occupational exposure limits</u>
PTFE	<b>EH40-WEL (United Kingdom (UK), 9/2006)</b> TWA: 10 mg/m <sup>3</sup> 65534 times per shift, 8 hour/hours. Form: Inhalable fraction PEL: 4 mg/m <sup>3</sup> 65534 times per shift, 8 hour/hours. Form: Respirable fraction
Silicon dioxide	<b>TLV (United States (US))</b> TWA: 10 mg/m <sup>3</sup> 8 hour/hours. Form: Inhalable fraction TWA: 5 mg/m <sup>3</sup> 8 hour/hours. Form: Respirable fraction

#### Exposure controls

<b>Occupational exposure controls:</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Respiratory protection:</b>	No respiratory equipment is required for normal use. In the case of extreme temperatures, a dry residue will result when the grease & oils burn off. Where workers may be exposed to the dust during removal of the film use of air-purifying respirators or dust masks is suggested.
<b>Hand protection:</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
<b>Eye protection:</b>	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
<b>Skin protection:</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### 9. Physical and chemical properties

<b>Physical state:</b>	Solid (paste)
<b>Color:</b>	Yellow
<b>Odor:</b>	Seed oil smell (slight)
<b>pH:</b>	Neutral
<b>Boiling point:</b>	Not available
<b>Melting point:</b>	None
<b>Flash point:</b>	Open cup: >260°C (500°F)
<b>Flammability (solid, gas):</b>	Not applicable
<b>Explosive properties:</b>	Not applicable
<b>Explosive limits:</b>	Lower: 0.9% Upper: 7%
<b>Oxidizing properties:</b>	Not available
<b>Vapor pressure:</b>	<0.01 kPa (<0.08 mm Hg) (at 20°C)
<b>Specific gravity:</b>	Not available
<b>Density:</b>	1.10 g/cm <sup>3</sup>
<b>Solubility:</b>	Insoluble in cold water, hot water
<b>Octanol/water partition coefficient:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Vapor density:</b>	>5 (Air = 1)
<b>Evaporation rate (butyl acetate = 1):</b>	<0.01 compared with Butyl acetate
<b>Auto-ignition temperature:</b>	>260°C (500°F)

### 10. Stability and reactivity

<b>Stability:</b>	The product is stable
<b>Conditions to avoid:</b>	Keep away from sources of ignition. Keep away from heat.
<b>Materials to avoid:</b>	Not available
<b>Hazardous Decomposition products:</b>	Some metallic oxides.
<b>Hazardous polymerization:</b>	Not available

### 11. Toxicological information

#### Potential acute health effects

<b>Inhalation:</b>	No known significant effects or critical hazards.
<b>Ingestion:</b>	No known significant effects or critical hazards.
<b>Skin contact:</b>	No known significant effects or critical hazards.

## JET-LUBE BULLSEYE

### Eye contact:

No known significant effects or critical hazards.

### Acute toxicity

#### Ingredient name

Castor Oil  
Castor oil

Test	Result	Route	Species
LD50	100000 mg/kg	Oral	Rat

Castor oil is vegetable-based because it's made from Castor plant (*ricinus communis*) seeds. It biodegrades quickly and is non-toxic, castor oil is classified by Food and Drug Administration (FDA) as generally recognized as safe and effective for use as a stimulant laxative. The Joint Food and Agriculture Organization (FAO)/World Health Organization (WHO) Expert Committee on Food Additives established an acceptable daily castor oil intake (for man) of 0 to 0.7 mg/kg body weight. Castor oil is hydrolyzed in the small intestine by pancreatic enzymes, leading to the release of glycerol and Ricinoleic Acid, although 3,6-epoxyoctanedioic acid, 3,6-epoxydecanedioic acid, and 3,6-epoxydodecanedioic acid also appear to be metabolites.

### Potential chronic health effects

#### Carcinogenicity:

No known significant effects or critical hazards.

#### California Prop 65:

None

#### Australian National Health & Safety Commission (NOSC):

None

#### Mutagenicity:

No known significant effects or critical hazards.

#### Reproductive toxicity:

No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

#### Inhalation:

No known significant effects or critical hazards as high viscosity makes inhalation unlikely.

#### Ingestion:

No known significant effects or critical hazards as grease results in gastric distress negating bioaccumulation concerns.

#### Skin:

No known significant effects or critical hazards.

#### Target organs:

No known significant effects or critical hazards.

#### Other adverse effects:

Not available

## 12. Ecological information

### Ecotoxicity data

#### Ingredient name

Silicon dioxide

Species	Period	Result
Daphnia magna (EC50)	24 hr/hrs	>10000 mg/l

### Other ecological information

#### Mobility:

Not available

#### Other adverse effects:

No known significant effects or critical hazards.

## 13. Disposal consideration

### Methods of disposal:

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

### Hazardous waste:

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

## 14. Transport information

### Hazchem code 1Z

### International transport regulations

Regulatory information	UN Number	Proper shipping name	Class	Packing group	Label	Additional information
US Dept. of Transportation	Not regulated	-	-	-	-	-
ADR/RID Class	Not regulated	-	-	-	-	-
ADNR Class	Not regulated	-	-	-	-	-
IMDG Class	Not regulated	-	-	-	-	-
IATA-DGR Class	Not regulated	-	-	-	-	-
Canada - TDG	Not regulated	-	-	-	-	-
Australia ADG Code	Not regulated	-	-	-	-	-

## 15. Regulatory information

### Poison Schedule

Not scheduled

### EU Regulations

#### Risk Phrases:

This product is not classified according to EU legislation.

#### Safety Phrases:

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

#### Product use:

Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use. Industrial applications.

### Other EU regulations

#### Additional warning phrases:

Safety data sheet available for professional user on request.

#### Restrictions on the marketing and use directive:

Not applicable.

#### National regulations United Kingdom (UK)

#### COSHH:

The use of this chemical product must be in compliance with provisions included in COSHH (1999) and COSHH Essentials (1999).

### US Regulations:

TSCA: All components are listed. (See Section 3).

TSCA 12B Components: None

#### SARA 313 (40 CFR Part 372):

None above reportable limits

#### SARA 311/312:

None

#### CERCLA RQ: N/A

OZONE DEPLETING CHEMICALS: None

#### TSCA REGULATORY: This material or its components are listed in the TSCA inventory.

## JET-LUBE BULLSEYE

**RCRA Hazard class:** N/A

**Clean Air Act Sect 112 Hazardous Air Pollutants (HAPs):** None

**Volatile Organic Chemicals (VOCs):** Nil

**State Right to Know:**

New Jersey:

Pennsylvania:

Massachusetts:

Rhode Island :

**Canadian Regulations:**

**DSL:** All components are listed. (See Section 3)

**WHMIS: CLASS B-2:** Not regulated

**RoHS Compliance**

This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

### 16. Other information

**History**

**Date of printing:** August 24, 2010  
**Date of issue:** August 24, 2010  
**Date of previous issue:** No previous validation  
**Version:** 1

**Prepared by:**



**Name & Title**

Donald Oldiges, VP of Research & Development

**Notice to reader:**

All practical steps have been taken to ensure this data sheet and the health, safety and environmental information contained in this document is accurate as of the date specified above. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet. You should not use the product other than for the stated application or applications without seeking advice from us. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations in the country of use. Jet-Lube is not responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use have the duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. If this material is printed, circulated, distributed or copied in any manner, it is no to be modified without prior written permission, and further, it is to include the wording of the above disclaimer.