



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

## SAFETY DATA SHEET

### JET-LUBE - FMG

Product classified as non-hazardous according to NOHSC classification

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

##### Identification of the substance or preparation

**Product Name:** JET-LUBE - FMG  
**Use of the substance/preparation:** Lubricating grease (white oil & synthetic based)  
**Company/undertaking identification**  
**Manufacturer:** Jet-Lube, Inc.  
4849 Homestead Rd., Suite 232 I  
Houston, TX 77028  
Email: [doldiges@jetlube.com](mailto:doldiges@jetlube.com) USA Corporate phone: (713) 670-5700  
**Australian Contact:** Xtex Pty. Ltd  
ABN 40 121 722 236  
80 Daly Street  
Ascot, WA 6104 1300-00-9839 phone 0437-272-490 mobile  
**Emergency telephone numbers:** 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.

**Classification:** Not classified  
**Physical/chemical hazards:** Not applicable  
**Human health hazards:** Not applicable  
**Environmental hazards:** Not applicable

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

#### 3. Composition /information on ingredients

Substance/preparation:	Preparation			
Ingredient name	CAS Number	EC Number	%	Classification
Lubricating grease (synthetic base)	Mixture	Mixture	85 - 90	Not classified
Zinc oxide	1314-13-2	215-222-5	2 - 5	N; R50/53
limestone	1317-65-3	215-279-6	2 - 5	Not classified
titanium dioxide	13463-67-7	236-675-5	0 - 1	Not classified
<b>The fluids 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

##### Effects and symptoms

**Inhalation:** No known significant effects or critical hazards.  
**Ingestion:** No known significant effects or critical hazards.  
**Skin Contact:** No known significant effects or critical hazards.  
**Eye contact:** No known significant effects or critical hazards.  
**First aid measures**  
**Inhalation:** 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.

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<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, CO <sub>2</sub> ). Some metallic and mineral oxides.
<b>Special protective equipment for fire-fighters:</b>	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>	None required although persons with hypersensitive skin should use suitable protective equipment.
<b>Environmental precautions:</b>	Although expected to biodegrade to nonhazardous by-products, avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
<b>Methods for cleaning up:</b>	Contain spilled 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.

### 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

<b>Ingredient Name:</b>	<b>Occupational exposure limits</b>
Zinc oxide	<b>OSHA (USA)</b> TWA: 5 mg/m <sup>3</sup> 65534 times per shift, 8 hour/hours. Form: Inhalable fraction TLV: 2 mg/m <sup>3</sup> , 8 hour/hours. Form: Respirable fraction STEL: 10 mg/M <sup>3</sup> , Form: Respirable fraction
limestone	<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 STEL: 4 mg/m <sup>3</sup> 65534 times per shift, 15 minute/minutes. Form: Respirable fraction
titanium dioxide	<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 TWA: 4 mg/m <sup>3</sup> 65534 times per shift, 8 hour/hours. Form: Respirable fraction

#### Exposure controls

<b>Occupational exposure controls:</b>	None needed under most circumstances.
<b>Respiratory protection:</b>	No respiratory equipment is required for normal use.
<b>Hand protection:</b>	None required unless persons have hypersensitive skin.
<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>	None required unless persons have hypersensitive skin.

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### 9. Physical and chemical properties

Physical state:	Liquid (grease)
Color:	White to ivory
Odor:	Nil
pH:	Neutral
Boiling point:	<316°C (600.8°F)
Melting point:	>260°C (500°F)
Flash point:	Open cup: > 221°C (429.8°F)
Flammability (solid, gas):	Not applicable
Explosive properties:	Not applicable
Explosive limits:	Lower: 0.9% Upper: 7%
Oxidizing properties:	Not available
Vapor pressure:	<0.01 kPa (<0.08 mm Hg) (at 20°C)
Specific gravity:	Not available
Density:	0.95 g/cm <sup>3</sup>
Solubility:	Insoluble in cold water, hot water
Octanol/water partition coefficient:	Not available
Viscosity:	Not available
Vapor density:	>5 (Air = 1)
Evaporation rate (butyl acetate = 1):	<0.01 compared with Butyl acetate
Auto-ignition temperature:	>260°C (500°F)

### 10. Stability and reactivity

Stability:	The product is stable
Conditions to avoid:	Keep away from sources of ignition. Keep away from heat.
Materials to avoid:	Not available
Hazardous Decomposition products:	These products are carbon oxides (CO, CO <sub>2</sub> ).
Hazardous polymerization:	Will not occur.

### 11. Toxicological information

#### Potential acute health effects

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 contact:	No known significant effects or critical hazards.
Eye contact:	No known significant effects or critical hazards.

#### Potential acute health effects

Ingredient name	Test & Period	Result	Route	Species
Polybutene	LD50	>10250 mk/kg bw	Oral	Rat
Polybutene	LC50, 4 hours	>34600 mk/kg bw	Inhalation	Rat
Polybutene	LD50	>17300 mk/kg bw	Dermal	Rabbit
Zinc Oxide	LD50	>5000 mk/kg bw	Oral	Rat
	LD50, 4 hours	0.4 mg/l	Inhalation	Rat
Titanium Dioxide	LD50	>10000 mk/kg bw	Oral	Rat
	LD50, 4 hours	6.82 mg/l	Inhalation	Rat
	LD50	>10000 mg/kg bw	Dermal	Rabbit

#### 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.
Ingestion:	No known significant effects or critical hazards.
Skin:	No known significant effects or critical hazards.
Target organs:	No known significant effects or critical hazards.
Other adverse effects:	Not available

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#### 12. Ecological information

##### Ecotoxicity data

Zinc Oxide	Fish , Cyprins carpo	LD0	52 hr/hrs	228 - 262 mg/l
titanium dioxide	Daphnia magna (EC50)		48 hr/hrs	>1000 mg/l
	Fundulus heteroclitus (LC50)		96 hr/hrs	>1000 mg/l

##### Other ecological information

##### Persistence/degradability:

##### Ingredient name

Lubricating grease, synthetic based

##### BOD

Not available

##### COD

Not available

##### ThOD

2.99 mg O<sub>2</sub>/mg

##### Ingredient name

Lubricating grease, synthetic based

##### Aquatic half-life

Not available

##### Photolysis

Not available

##### Biodegradability

15 % mineralisation in  
28 days (BODIS)

##### 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 Depart. 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	-	-	-	-	Reference SP-AU01

#### 15. Regulatory information

##### Poison Schedule

Not scheduled

##### EU Regulations

##### Risk Phrases:

##### Safety Phrases:

This product is not classified according to EU legislation.

S20/21 - When using do not eat, drink or smoke

S28 - After contact with skin, wash immediately with plenty of water.

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

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

##### 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:

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

##### National regulations United Kingdom (UK)

##### COSHH:

Safety data sheet available for professional user on request.

Not applicable.

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

##### US Regulations:

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

##### SARA 311/312:

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

None above reportable limits

None

**TSCA 12B Components:** None

##### CERCLA RQ: N/A

**OZONE DEPLETING CHEMICALS:** None

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

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RCRA Hazard class: N/A

NSF Food Registered: Category H-1 NSF Registration File Number: 048226

Clean Air Act Sect 112 Hazardous Air Pollutants (HAPs): None Volatile Organic Chemicals (VOCs): Nil

State Right to Know: New Jersey: 8042-47-7, 68037-01-4, 9003-29-6, 1314-13-2, 1317-65-3

Pennsylvania: 8042-47-7, 68037-01-4, 9003-29-6, 1314-13-2, 1317-65-3

Massachusetts: 8042-47-7, 68037-01-4, 9003-29-6, 1314-13-2, 1317-65-3

Rhode Island : 8042-47-7, 68037-01-4, 9003-29-6, 1314-13-2, 1317-65-3

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.

Australia AQIS: CLASS B-2: Incidental Food contact approved through June 29, 2012.

### 16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK):

R Phrases: R22 Harmful if swallowed

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK):

History

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Version: 1

Prepared by:



Name & Title

Donald Oldiges, VP of Research & Development

NFPA: Health: 0 Flammability: 1 Reactivity: 0

HMIS: Health: 0 Flammability: 1 Reactivity: 0 PPE: B

Notice to reader:

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