



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

SAFETY DATA SHEET

JET-LUBE - TFW

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 - TFW
Use of the substance/preparation: Pipe Thread Sealant for potable water systems

Company/undertaking identification

Manufacturer: Jet-Lube, Inc.
4849 Homestead Rd., Suite 232
Houston, TX 77028

Australian Contact:

Xtex Pty. Ltd
ABN 40 121 722 236

80 Daly Street
Ascot, WA 6104

Email: doldiges@jetlube.com

1300-00-9839 phone

USA Coporate phone:

0437-272-490 mobile

(713) 670-5700

Emergency telephone numbers:

NHS DIRECT in the UK

Emergency number: 08454647

USA: CHEMTREC:

Outside US (Chemtrec):

(800) 424-9300

(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
Polybutenes	9003-29-6	Polymer	45 - 50	Not classified
Potassium Aluminum silicate	12001-26-2	310-127-6	2 - 5	Not classified
aluminum silicate, no asbestiform fibers	1332-58-7	310-194-1	14 - 16	Not classified
PTFE	9002-84-0	Polymer	4 - 7	Polymer
talc, not containing asbestiform fibers	14807-96-6	238-877-9	15 - 20	Not classified
titanium dioxide	13463-67-7	236-675-5	0.5 -1.5	Not classified
Organophyllic clay	68953-58-2	273-219-4	2 -5	Not classified
Polyethylene	9002-88-4	Polymer	5 - 10	Polymer
Sulfonic acids, petroleum, calcium salts	61789-86-4	263-093-9	0.5 -1.5	Not classified

The fluids and additives do not require carcinogenic listing.

See section 16 for the full test of the R Phrases declared above.

* 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.

Ingestion: 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.

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Skin contact: 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.

Eye contact: 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

Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
Special exposures hazards: No specific hazard.
Hazardous thermal decomposition products: These products are carbon oxides (CO, CO₂). Some metallic and mineral oxides.
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

Personal precautions: None required although persons with hypersensitive skin should use suitable protective equipment.
Environmental precautions: Although expected to biodegrade to nonhazardous by-products, avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up: 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

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

8. Exposure controls/personal protection

<u>Ingredient Name:</u>	<u>Occupational exposure limits</u>
potassium aluminum silicates	EH40-WEL (United Kingdom (UK), 9/2006) TWA: 10 mg/m ³ 65534 times per shift, 8 hour/hours. Form: Inhalable fraction TWA: 0,8 mg/m ³ 65534 times per shift, 8 hour/hours. Form: Respirable fraction
Aluminum silicate	EH40-WEL (United Kingdom (UK), 9/2006) TWA: 2 mg/m ³ , 8 hour/hours. Form: Respirable fraction TLV (United States (US)) TWA: 2 mg/m ³ 8 hour/hours. Form: Inhalable fraction OSHA PEL: 15 mg/m ³ 8 hour/hours. Form: Respirable fraction
Talc As dust	EH40-WEL (United Kingdom (UK), 9/2006) TWA: 1 mg/m ³ 65534 times per shift, 8 hour/hours. Form: Respirable fraction
PTFE	EH40-WEL (United Kingdom (UK), 9/2006) TWA: 10 mg/m ³ 65534 times per shift, 8 hour/hours. Form: Inhalable fraction PEL: 4 mg/m ³ 65534 times per shift, 8 hour/hours. Form: Respirable fraction
titanium dioxide	EH40-WEL (United Kingdom (UK), 9/2006) TWA: 10 mg/m ³ 65534 times per shift, 8 hour/hours. Form: Inhalable fraction TWA: 4 mg/m ³ 65534 times per shift, 8 hour/hours. Form: Respirable fraction

Exposure controls

Occupational exposure controls: None needed under most circumstances.

Respiratory protection: No respiratory equipment is required for normal use.

Hand protection: None required unless persons have hypersensitive skin.

Eye protection: 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.

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Skin protection: None required unless persons have hypersensitive skin.

9. Physical and chemical properties

Physical state:	Paste
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: > 204°C (400°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:	1.20
Density:	1.20 g/cm ³
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 ₂), nitrogen oxides (NO ₂ , NO ₃ , etc.) some metallic or mineral oxides and halogenated gases which may be toxic or corrosive.

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

<u>Ingredient name</u>	<u>Test & Period</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
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
titanium dioxide	LD50	10000 mg/kg	Oral	Rat
Sulfonic acids, petroleum, calcium salts	LD50	>20000 mg/kg bw	Oral	Rat
Sulfonic acids, petroleum, calcium salts	LD50	>4000 mg/kg	Inhalation	Rat
Polybutenes	LD50	> 34600 mg/kg bw	Oral	Rat
Polybutenes	LD50	> 17300 mg/m3	Inhalation	Rat
Polybutenes	LD50	>10250 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

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Talc, magnesium silicate	Scaphthalmus maximus (EC50)	96 hr/hrs	>1000 mg/l
Talc, magnesium silicate	Acartia tonsa (LC50)	48 hr/hrs	>1000 mg/l
Talc, magnesium silicate	Skeletonema costatum (EC50)	72 hr/hrs	>1000 mg/l
Sulfonic acids, petroleum, calcium salts	Daphnia magna (EC50)	24 hr/hrs	6.2 - 12 mg/l
Sulfonic acids, petroleum, calcium salts	Pimephales promelas (LC50)	96 hr/hrs	10 - 100 mg/l
Sulfonic acids, petroleum, calcium salts	Selenastrum capricornatum (EC50)	96 hr/hrs	120 - 500 mg/l
Polybutenes	Daphnia magna (EC50)	48 hr/hrs	>10000 mg/l
Polybutenes	Daphnia magna (EC50)	48 hr/hrs	>1000 mg/l
	Oncorhynchus mykiss (LC50)	96 hr/hrs	>10000 mg/l

Other ecological information

Persistence/degradability:

<u>Ingredient name</u>	<u>BOD</u>	<u>COD</u>	<u>ThOD</u>
Lubricating grease,synthetic based	Not available	Not available	2.99 mg O ₂ /mg

<u>Ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
Lubricating grease,synthetic based	Not available	Not available	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 spill 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

<u>Regulatory information</u>	<u>UN Number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing group</u>	<u>Label</u>	<u>Additional information</u>
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	-	-	-	-	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.
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.

Product use:

Other EU regulations

Additional warning phrases:

Restrictions on the marketing and use directive:

Safety data sheet available for professional user on request.

Not applicable.

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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.

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: 9003-29-6, 12001-26-2, 1332-58-7, 9002-84-0, 14807-96-6
Pennsylvania: 9003-29-6, 12001-26-2, 1332-58-7, 9002-84-0, 14807-96-6
Massachusetts: 9003-29-6, 12001-26-2, 1332-58-7, 9002-84-0, 14807-96-6
Rhode Island: 9003-29-6, 12001-26-2, 1332-58-7, 9002-84-0, 14807-96-6

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:

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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No previous validation

Version:

1

Prepared by:



Name & Title

Donald Oldiges, VP of Research & Development

NFPA:

Health: 1

Flammability: 1

Reactivity: 0

HMIS:

Health: 1

Flammability: 1

Reactivity: 0

PPE: B

Notice to reader:

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