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

SAFETY DATA SHEET

JET-LUBE EZY TURN H2S

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 EZY TURN H2S**

Use of the substance/preparation: Gate Valve lubricant and sealant

Company/undertaking identification

Manufacturer:

Jet-Lube, Inc.
4849 Homestead Rd., Suite 232
Houston, TX 77028
Email: doldiges@jetlube.com USA Coprorate 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
Emergency number: 08454647
USA: CHEMTREC: (800) 424-9300
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
Poly (1,2-Propylene glycol azelate) ester	29408-67-1	Polymer	15 - 20	Not classified
Castor oil TDI reaction product	66071-12-3	Polymer	70 -75	Not classified
Silicone dioxide	7631-86-9	231-545-4	2 - 5	Not classified
graphite	7782-42-5	231-95-3	3 - 5	Not classified
Benzenamine, 2-ethyl-N-(2-ethylphenyl)-, (tripropenyl) derivs.	68608-77-5	271-800-7	0 - 1	Not classified
The Oils and additives do not require carcinogic 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.

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: Some metallic 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

Ingredient Name:	Occupational exposure limits
Silicon dioxide	**TLV (United States (US))**
	TWA: 10 mg/m3 8 hour/hours. Form: Inhalable fraction
	TWA: 5 mg/m3 8 hour/hours. Form: Respirable fraction
graphite	**EH40-WEL (United Kingdom (UK), 1/2005)**
	TWA: 10 mg/m^3 8 hour/hours. Form: Inhalable fraction
	STEL: 4 mg/m^3 15 minute/minutes. 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.

Skin protection: None required unless persons have hypersensitive skin.

9. Physical and chemical properties

Physical state: Gel (paste)

Color: Black

Odor: Seed oil smell (slight)

pH: Neutral

Boiling point: Not available

Melting point: >204ºC (399.2ºF)

Flash point: Open cup: >232ºC (450ºF)

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 20ºC)

Specific gravity: 1.06

Density: 1.06 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:	>260ºC (500ºF)

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:	Some metallic oxides.
Hazardous polymerization:	Not available

11. Toxicological information

Potential acute health effects

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.

Acute toxicity

Ingredient name	Test	Result	Route	Species
Castor oil TDI reaction product	All polyurethanes had biodegradability, when measured by a biochemical oxygen demand method in an aqueous medium using activated sludge. The rate of the biodegradation of the polyurethanes increased with an increase of CO/GO ratio. The crosslinked CO-PU showed much higher biodegradability than the linear PEA-TDI. © 2009 Wiley Periodicals, Inc. J Appl Polym Sci, 2010. Naozumi Teramoto, Yuichi Saitoh, Atsuo Takahashi, Mitsuhiro Shibata *Department of Life and Environmental Sciences, Faculty of Engineering, Chiba Institute of Technology, Tsudanuma, Narashino, Chiba 275-0016, Japan.			

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	Species	Period	Result
Silicon dioxide	Daphnia magna (EC50)	24 hr/hrs	>10000 mg/l
Graphite	Fish (LC50)	96 hr/hrs	>1800 mg/l
	Algae (EC50)	72 hr/hrs	>1000 mg/l

Other ecological information

Persistance/degradability:

Ingredient name	BOD	COD	ThOD
	Not available	Not available	Not available

Ingredient name	Aquatic half-life	Photolysis	Biodegradability
	Not available	Not available	Not available

Other ecological information

Mobility:	Not available
Other adverse effects:	No known significant effects or critical hazards.

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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: None appear required

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: 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.

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:	29408-67-1, 66071-12-3, 7631-86-9, 7782-42-5, 68608-77-5
Pennsylvania:	29408-67-1, 66071-12-3, 7631-86-9, 7782-42-5, 68608-77-5
Massachusetts:	29408-67-1, 66071-12-3, 7631-86-9, 7782-42-5, 68608-77-5
Rhode Island :	29408-67-1, 66071-12-3, 7631-86-9, 7782-42-5, 68608-77-5

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:	November 22, 2010
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Date of previous issue:	No previous validation
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

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