



## SAFETY DATA SHEET

### JET-LUBE JET PLEX EP

Product classified as 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 JET PLEX EP

**Use of the substance/preparation:** Lubricant

##### Company/undertaking identification

##### Manufacturer:

Jet-Lube, Inc.  
4849 Homestead Rd., Suite 232  
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:

Australian Poison Information Centre 13-11-26

#### 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 (petroleum base)	74869-21-9	278-011-7	95	Not classified
Organic Sulfur Compound	68937-96-2	273-103-3	2 - 5	
Zinc dithiophosphate (organic)	68649-42-3	272-028-3	2 - 5	

#### 3a. Lubricating Grease Composition /information on ingredients

##### Substance/preparation:

Preparation

Ingredient name	CAS Number	EC Number	%	Classification
Naphthenic Distillates	64742-52-5	255-155-0	67-82	Not classified
Hydrotreated residual Oils	64742-57-0	265-101-6	10-20	Not classified
Lithium Sebecate 12-hydroxystearate complex	68815-49-6	272-377-1	8-12	Not classified
polyisobutylene	9003-29-6	Polymer	0-1	Not classified

The Petroleum Oils 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:**

Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Obtain medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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**Ingestion:** Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. 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. Loosen thigh clothing such as a collar, tie, belt or waistband.

**Skin contact:** Flush contaminated skin with plenty of 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. Do not use water jet.  
**Special exposures hazards:** No specific hazard.  
**Hazardous thermal decomposition products:** These products are carbon, sulfur & nitrogen oxides, 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:** Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.  
**Environmental precautions:** Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.  
**Methods for cleaning up:** 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

**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>

#### Exposure controls

**Occupational exposure controls:** 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.

**Respiratory protection:** 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.

**Hand protection:** 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.

**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:** 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.

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### 9. Physical and chemical properties

Physical state:	Solid (paste)
Color:	Red
Odor:	Petroleum pungent
pH:	Neutral
Boiling point:	Not available
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:	0.90 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:	Oxides of carbon sulfur and minerals.
Hazardous polymerization:	Not available

### 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.

#### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Petroleum oil from grease	<u>LD50</u>	<u>&gt;5000 mg/kg</u>	Oral	Rat
Organic Sulfur Compound	<u>LD50</u>	<u>&gt;5000 mg/kg</u>	Oral	Rat
Organic Zinc Compound	<u>LD50</u>	<u>No data available</u>	Oral	Rat
	<u>LD50</u>		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

##### Ingredient name

Lubricating grease, petroleum based

##### Species

Fish

LC50

##### Period

96 hr/hrs

##### Result

>1800 mg/l

Algae

EC50, biomass

72 hr/hrs

641 mg/l

Algae

EC50 ,growth

Rate 72 hr/hrs

>1000 mg/l

Organic Sulfur Compound

Fish , Pimephales promelas

LC50

96 hr/hrs

>1000 mg/l

Crustacea, Daphnia magna

EC50

48 hr/hrs

>1000 mg/l

Algae, Selenastrum capricornutum

EC50

96 hr/hrs

29-39 mg/l

ERC50

96 hr/hrs

>100 mg/l

Organic Zinc Compound

Fish , Pimephales promelas

LC50

96 hr/hrs

10-35 mg/l

Crustacea, Daphnia magna

EC50

48 hr/hrs

1- 1.5 mg/l

Algae, Selenastrum capricornutum

EC50

96 hr/hrs

1- 5 mg/l

#### Other ecological information

##### Persistence/degradability:

##### Ingredient name

Lubricating grease, petroleum based

##### BOD

Not available

##### COD

Not available

##### ThOD

3.78 mg O<sub>2</sub>/mg

##### Ingredient name

Lubricating grease, petroleum based

##### Aquatic half-life

Not available

##### Photolysis

Not available

##### Biodegradability

6.2 % 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 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:

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.

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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:

#### 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.

#### 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: 64742-52-5, 64742-57-0, 68815-49-6, 68937-96-2, 68649-42-3

Pennsylvania: 64742-52-5, 64742-57-0, 68815-49-6, 68937-96-2, 68649-42-3

Massachusetts: 64742-52-5, 64742-57-0, 68815-49-6, 68937-96-2, 68649-42-3

Rhode Island : 64742-52-5, 64742-57-0, 68815-49-6, 68937-96-2, 68649-42-3

### 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.

## 16. Other information

### History

**Date of printing:**

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**Version:**

2

**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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