



## SAFETY DATA SHEET

### JET-LUBE PFPE GREASE

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 PFPE GREASE  
**Use of the substance/preparation:** High temperature lubricating grease  
**Company/undertaking identification**  
**Manufacturer:** Jet-Lube, Inc.  
4849 Homestead Rd., Suite 232  
Houston, TX 77028

##### **Australian Contact:**

Email: [doldiges@jetlube.com](mailto:doldiges@jetlube.com) USA Corporate phone: (713) 670-5700  
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
Perfluorinated polyether	69991-67-9	Polymer	60 - 65	Not classified
PTFE	9002-84-0	Polymer	28 - 32	Polymer
Silane, dichlorodimethyl-, rxn products with silica	68611-44-9	271-893-4	1 - 2	Not classified
Calcium Oxide	1317-33-5	215-139-9	4 - 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.

**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.

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**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.**

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### 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>
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
Silane, dichlorodimethyl-, rxn products with silica	<b>TLV (United States (US))</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction
Calcium Oxide	<b>EH40-WEL (United Kingdom (UK), 1/2005)</b> TWA: 2mg/m <sup>3</sup> 8 hour/hours. Form: Inhalable fraction STEL: 4 mg/m <sup>3</sup> 15 minute/minutes. 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.

### 9. Physical and chemical properties

<b>Physical state:</b>	Paste
<b>Color:</b>	White to ivory
<b>Odor:</b>	Nil
<b>pH:</b>	Neutral
<b>Boiling point:</b>	>316°C (600.8°F)
<b>Melting point:</b>	>260°C (500°F)
<b>Flash point:</b>	Not applicable
<b>Flammability (solid, gas):</b>	Not applicable
<b>Explosive properties:</b>	Not applicable
<b>Explosive limits:</b>	Not applicable
<b>Oxidizing properties:</b>	Not available
<b>Vapor pressure:</b>	<0.01 kPa (<0.08 mm Hg) (at 20°C)
<b>Specific gravity:</b>	1.92
<b>Density:</b>	1.92 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

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Vapor density:

>5 (Air = 1)

Evaporation rate (butyl acetate = 1):

<0.01 compared with Butyl acetate

Auto-ignition temperature:

Not applicable

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### 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>	These products are halogenated gases which may be toxic or corrosive when burned.

**Hazardous polymerization:** Will not occur.

### 11. Toxicological information

#### Potential acute health effects

<b>Inhalation:</b>	No known significant effects or critical hazards as high viscosity makes inhalation unlikely.
	No known significant effects or critical hazards as grease results in gastric distress negating bioaccumulation concerns.
<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.
<b><u>Potential acute health effects</u></b>	

<u>Ingredient name</u>	<u>Test &amp; Period</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Silane, dichlorodimethyl-, rxn products with silica	LD50	>10000 mg/kg bw	Oral	Rat
	LD50	>10000 mg/kg bw	Dermal	Rabbit
Perfluorinated polyether	LD50	>25650 mg/kg bw	Oral	Rat
	LD50	>20000 mg/kg bw	Dermal	Rat

#### 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

### 12. Ecological information

#### Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Silicon dioxide	Daphnia magna (EC50)	24 hr/hrs	>10000 mg/l
Silane, dichlorodimethyl-, rxn products with silica	Daphnia magna (EC50)	24 hr/hrs	>10000 mg/l
	Brachydanio rerio	96 hr/hrs	>10000 mg/l

#### Other ecological information

##### Persistence/degradability:

<u>Ingredient name</u>	<u>BOD</u>	<u>COD</u>	<u>ThOD</u>
Perfluorinated polyether	Not available	Not available	Not available

<u>Ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
Perfluorinated polyether	Not available	Not available	Not available

#### Other ecological information

**Mobility:** Not available

**Other adverse effects:** No known significant effects or critical hazards.

### 13. Disposal consideration

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**Methods of disposal:**

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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.

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**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:

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:

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.

RCRA Hazard class: N/A

NSF Food Registered:

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

**Volatile Organic Chemicals (VOCs):**

Nil

State Right to Know:

New Jersey: 69991-67-9, 9002-84-0, 68611-44-9, 1317-33-5  
Pennsylvania: 69991-67-9, 9002-84-0, 68611-44-9, 1317-33-5  
Massachusetts: 69991-67-9, 9002-84-0, 68611-44-9, 1317-33-5  
Rhode Island : 69991-67-9, 9002-84-0, 68611-44-9, 1317-33-5

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.

Australia AQIS:

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**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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1

Prepared by:



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**NFPA: Health: 1 Flammability: 0 Reactivity: 0**

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

Notice to reader:

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