



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

**SAFETY DATA SHEET**

**MOLY-PETROLATUM ANTI-SEIZE**

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:** MOLY-PETROLATUM ANTI-SEIZE  
**Use of the substance/preparation:** Lubricating grease (petroleum based)  
MILITARY SPECIFICATION MIL-PRF-83483B

Company/undertaking identification

**Manufacturer:** Jet-Lube, Inc.  
4849 Homestead Rd., Suite 232  
Houston, TX 77028  
Email: [doldiges@jetlube.com](mailto: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 USA: CHEMTREC: (800) 424-9300  
Emergency number: 08454647 Outside US (Chemtrec): (703) 527-3887

**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**

<u>Substance/preparation:</u>		Preparation		
<u>Ingredient name</u>	<u>CAS Number</u>	<u>EC Number</u>	<u>%</u>	<u>Classification</u>
Petrolatum	8009-03-8	232-373-2	49 -51	Not classified
molybdenum disulfide	1317-33-5	215-263-9	49 - 51	Not classified
<b>The Petroleum Oils 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:** 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.

**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.  
**Special exposures hazards:** No specific hazard.

## MOLY-PETROLATUM ANTI-SEIZE

Hazardous thermal decomposition products:

These products are carbon oxides (CO, CO<sub>2</sub>), sulphur oxides (SO<sub>2</sub>, SO<sub>3</sub>, etc.). 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

Ingredient Name:

molybdenum disulfide

Occupational exposure limits

**EH40-WEL (United Kingdom (UK), 9/2006). Notes: As Mo**

TWA: 10 mg/m<sup>3</sup> 65534 times per shift, 8 hour/hours.

STEL: 20 mg/m<sup>3</sup> 65534 times per shift, 15 minute/minutes

Petrolatum

**ACGIH (United States (US))**

STEL: 10 mg/m<sup>3</sup> Form: Oil Mist, if generated

**TLV (United States (US))**

5 mg/m<sup>3</sup> Form: Oil Mist, if generated

PEL: 5 mg/m<sup>3</sup> Form: Oil Mist, if generated

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.

### 9. Physical and chemical properties

Physical state:

Paste

Color:

Blue Black to Black

Odor:

Petroleum

pH:

Neutral

Boiling point:

> 260°C (500°F)

Melting point:

>54°C (130°F)

Flash point:

Open cup: >199°C (390°F)

Flammability (solid, gas):

Not applicable

Explosive properties:

Not applicable

Explosive limits:

Lower: No Data Upper: No Data

Oxidizing properties:

Not available

Vapor pressure:

<0.01 kPa (<0.08 mm Hg) (at 20°C)

Specific gravity:

Not available

Density:

1.45 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>), sulphur oxides (SO<sub>2</sub>, SO<sub>3</sub>, etc.), HF and other halo carbons.

Hazardous polymerization:

Will not occur.

### 11. Toxicological information

Potential acute health effects

## MOLY-PETROLATUM ANTI-SEIZE

<b>Inhalation:</b>	No known significant effects or critical hazards as high viscosity makes inhalation unlikely.
<b>Ingestion:</b>	No known significant effects or critical hazards as grease results in gastric distress negating bioaccumulation concerns.
<b>Skin contact:</b>	No known significant effects or critical hazards.
<b>Eye contact:</b>	No known significant effects or critical hazards.
<b>Potential chronic health effects</b>	
<b>Carcinogenicity:</b>	No known significant effects or critical hazards.
<b>Mutagenicity:</b>	No known significant effects or critical hazards.
<b>Reproductive toxicity:</b>	No known significant effects or critical hazards.
<b>Over-exposure signs/symptoms</b>	
<b>Inhalation:</b>	No known significant effects or critical hazards.
<b>Ingestion:</b>	No known significant effects or critical hazards.
<b>Skin:</b>	No known significant effects or critical hazards.
<b>Target organs:</b>	No known significant effects or critical hazards.
<b>Other adverse effects:</b>	Not available

### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Petrolatum	LD -50	>5000 mg/kg bw	Oral	Rat
Petrolatum	LD-50	>2000 mg/kg	Dermal	Rat
Petrolatum	LD -50, Draize 72 Hrs.	>3600 mg/kg bw	Skin test -	Rabbit

## 12. Ecological information

### Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Petrolatum	Fish (LC50)	96 hr/hrs	>1800 mg/l
	Algae (EC50) ,biomass	72 hr/hrs	11 mg/l
	Algae (EC50) ,growth rate	72 hr/hrs	14 mg/l
Molybdenum disulfide	Skeletonema costatum (LC50)	72 hr/hrs	>1000 mg/l
	Scophthalmus maximus (EC50)	96 hr/hrs	>1000 mg/l
	Acartia tonsa (LC50)	48 hr/hrs	120 mg/l

### Other ecological information

#### Persistence/degradability:

<u>Ingredient name</u>	<u>BOD</u>	<u>COD</u>	<u>ThOD</u>
Petrolatum	Not available	Not available	2.99 mg O <sub>2</sub> /mg

<u>Ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
Petrolatum	Not available	Not available	15 % mineralisation in 28 days (BODIS)

### Other ecological information

<b>Mobility:</b>	Not available
<b>Other adverse effects:</b>	No known significant effects or critical hazards.

## 13. Disposal consideration

<b>Methods of disposal:</b>	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.
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<b>Hazardous waste:</b>	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

<b>Poison Schedule</b>	Not scheduled
<b>EU Regulations</b>	
<b>Risk Phrases:</b>	This product is not classified according to EU legislation.
<b>Safety Phrases:</b>	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.
<b>Product use:</b>	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.
<b>Other EU regulations</b>	
<b>Additional warning phrases:</b>	Safety data sheet available for professional user on request.

## MOLY-PETROLATUM ANTI-SEIZE

### Restrictions on the marketing

and use directive:

National regulations United Kingdom (UK):

COSHH:

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.

RCRA Hazard class: N/A

Canadian Regulations:

DSL: All components are listed. (See Section 3)

WHMIS: CLASS B-2: Not Controlled.

## 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):

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