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## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Code(s)** 350  
**(M)SDS Number** WPS-JLI-073  
**Product Name** ARCTIC GREASE™  
**Chemical name**  
**Synonyms** JET-LUBE® ARCTIC GREASE™, ILEX ARCTIC GREASE™

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Sealant. Lubricants, Greases and Release Products.  
**Uses advised against** No information available.

### 1.3. Details of the supplier of the safety data sheet

**Supplier Phone Number** US Office: Phone:+1-972-771-1000 Fax:+1-972-722-2108  
**Supplier Email** Sales@jetlube.com

<b>Importer</b>	<b>Manufacturer</b>
Jet-Lube (UK) Ltd City Park, Watchmead Welwyn Garden City, Hertfordshire AL7 1LT United Kingdom	Jet Lube LLC 930 Whitmore Drive Rockwall, Texas USA 75087

For further information, please contact.

**Responsible Persons** Regulatory & Laboratory Team Member(s)  
**E-mail Address** regulatory@whitmores.com  
**Non-Emergency Telephone Number** +1-972-771-1000 (USA Office) +44-1628-631913 (JL UK Office)  
+1-780-463-7441 (JL Canada)

### 1.4. Emergency telephone number



Emergency Telephone Number 44 1628-631913

Emergency telephone §45 - (EC)1272/2008	
Europe	112
Austria	Poison Information Center (AT): +43-(0)1-406 43 43
Belgium	Poison Center (BE): +32 70 245 245
Denmark	Poison Control Hotline (DK): +45 82 12 12 12
Finland	Poison Information Centre (FI): +358 9 471 977
France	ORFILA (FR): + 01 45 42 59 59
Germany	Poison Center Berlin (DE): +49 030 30686 790 (24 h service, Advice in German and English)
Ireland	National Poisons Information Centre (IE): +353 1 8379964
Italy	Poison Center, Milan (IT): +39 02 6610 1029
Netherlands	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway	Poisons Information (NO): + 47 22 591300
Poland	Poison Control and Information Centre, Warsaw (PL): +48 22 619 66 54; +48 22 619 08 97
Portugal	Poison Information Center (PT): +351 21 330 3284
Spain	Poison Information Service (ES): +34 91 562 04 20
Sweden	Poisons Information Center (SV): +46 8 33 12 31
Switzerland	Poison Center (CH): Tel 145: +41 44 251 51 51
United Kingdom	NHS Direct (UK): +44 0845 46 47

## Section 2: Hazards Identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Signal word

None

#### Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

### 2.3. Other hazards

No information available

## Section 3: Composition/Information

### 3.1 Substances



Not applicable.

### 3.2 Mixtures

Chemical Name	EC No	CAS-No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Reg. No.
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.	-	74869-21-9	95-100	No data available	No data available
Calcium petroleum sulfonate	263-093-9	61789-86-4	<1.0	Eye Irrit. 2 (H319)	01-2119488992-18

### Full text of H- and EUH-phrases: see section 16

#### Note

The producer of "74869-21-9" declares that it contains less than 3% DMSO extractable material by IP-346 The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in Annex I

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## Section 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	IF exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air.
<b>Skin contact</b>	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	No information available.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media



**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

### **5.2. Special hazards arising from the substance or mixture**

#### **Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

#### **Hazardous Combustion Products**

Carbon oxides.

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## **Section 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

**Environmental precautions** Should not be released into the environment. See Section 12 for additional Ecological Information.

### **6.3. Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

### **6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **Section 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

**General Hygiene Considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

### **7.2. Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

### 7.3. Specific end use(s)

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.

## Section 8: Exposure control/personal protection equipment

### 8.1. Control parameters

#### Exposure Limits

Chemical Name	EU	United Kingdom	France	Spain	Germany
Calcium petroleum sulfonate 61789-86-4	-	-	-	-	TWA: 5 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

### 8.2. Exposure controls

#### Personal protective equipment

- Eye/face protection** Tight sealing safety goggles.
- Hand Protection** Wear suitable gloves. Nitrile rubber.
- Skin and body protection** Wear suitable protective clothing.

**Environmental exposure controls** No information available.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical state** Paste / Gel  
**Appearance** No information available  
**Odor** Petroleum  
**Color** Amber Light brown  
**Odor Threshold** No data available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	7	
Melting / freezing point	138 °C	None known
Boiling point / boiling range	260 °C	
Flash Point	> 160 °C	
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	

Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.90	
Water Solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	Not Applicable	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Viscosity	No data available	None known

### 9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	None
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

## Section 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

### 10.3. Possibility of hazardous reactions

<b>Possibility of Hazardous Reactions</b>	None under normal processing.
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<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
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### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

Carbon oxides.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Information on toxicological effects**

**Symptoms** No information available.

**Numerical measures of toxicity****Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 2,370.00 mg/kg

**Unknown acute toxicity**

- 98.6 % of the mixture consists of ingredient(s) of unknown toxicity
- 2.4 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 98.6 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 98.6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 98.6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 98.6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	Inhalation LC50
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.	= 2280 mg/kg ( Rat )		
Calcium petroleum sulfonate	> 5000 mg/kg ( Rat )	> 4000 mg/kg ( Rabbit )	

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## Section 12: Ecological information

### 12.1. Toxicity

#### **Ecotoxicity**

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.	>1001 mg/l	96h LC50: > 2000 mg/L (Salmo gairdneri)	-	
Calcium petroleum sulfonate		LC50 96 h: 5.7 - 9.7 mg/L static (Pimephales promelas) LC50 96 h: 1.0 - 10.0 mg/L semi-static (Pimephales promelas)	-	EC50 48 h: 6.2 - 12 mg/L (Daphnia magna)

### 12.2. Persistence and degradability

**Persistence and Degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** No information available.

### 12.4. Mobility in soil

**Mobility in soil** No information available.

### 12.5. Results of PBT and vPvB assessment



**PBT and vPvB assessment** No information available.

Chemical Name	PBT and vPvB assessment
Calcium petroleum sulfonate	The substance is not PBT / vPvB

### 12.6. Other adverse effects

**Other adverse effects** No information available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** No information available.

## Section 14: Transport information

#### IMDG

	Not regulated
<b>14.1 UN Number</b>	Not regulated
<b>14.2 Proper Shipping Name</b>	NOT REGULATED
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Marine Pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	No information available

#### RID

	NOT REGULATED
<b>14.1 UN-No.</b>	NOT REGULATED
<b>14.2 Proper Shipping Name</b>	NOT REGULATED
<b>14.3 Hazard Class</b>	NOT REGULATED
<b>14.4 Packing Group</b>	NOT REGULATED
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

#### ADR

	NOT REGULATED
<b>14.1 UN-No.</b>	NOT REGULATED
<b>14.2 Proper Shipping Name</b>	NOT REGULATED
<b>14.3 Hazard Class</b>	NOT REGULATED
<b>14.4 Packing Group</b>	NOT REGULATED
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

#### IATA

	Not regulated
<b>14.1 UN Number</b>	Not regulated
<b>14.2 Proper Shipping Name</b>	NON REGULATED
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated



<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

#### Persistent Organic Pollutants

Not applicable.

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable.

#### International Inventories

<b>TSCA</b>	Complies.
<b>DSL/NDSL</b>	Complies.
<b>EINECS/ELINCS</b>	Complies.
<b>ENCS</b>	Not determined.
<b>IECSC</b>	Contact supplier for inventory compliance status.
<b>KECL</b>	Not determined.
<b>PICCS</b>	Complies.
<b>AICS</b>	Contact supplier for inventory compliance status.

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### 15.2. Chemical safety assessment

No information available.

## Section 16: Other Information

### Key or legend to abbreviations and acronyms used in the safety data sheet



**Full text of H-Statements referred to under sections 2 and 3**

H319 - Causes serious eye irritation

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	-	Skin designation

**Key literature references and sources for data**[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

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End of Safety Data Sheet