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

### 1.1. Product identifier

**Product Code(s)** 910  
**Product Name** JET-LUBE® - EZY-TURN® H2S  
**Chemical name**  
**Synonyms** EZY-TURN® H<sub>2</sub> S; ILEX EZY-TURN® H<sub>2</sub> S

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

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

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

<u>Importer</u>	<u>Manufacturer</u>
Jet-Lube (UK) Ltd	Jet Lube, LLC
Jet-Lube House	930 Whitmore Drive
Reform Road, Maidenhead	Rockwall, Texas USA 75087
Berkshire UK	TEL: +1-713-670-5700 (8am-5pm CST)
SL6 8BY	
TEL: 44 1628-631913 (8:00 a.m. - 5:00p.m. GMT)	

For further information, please contact.

<b>Responsible Persons</b>	Regulatory Affairs Manager - Thomas Hansen
<b>E-mail Address</b>	thomas.hansen@jetlubecanada.com
<b>Non-Emergency Telephone Number</b>	+1-780-463-7441 (JL Canada) +1-972-771-1000 (USA Office) +44-1628-631913 (JL UK Office)

### 1.4. Emergency telephone number

**Emergency Telephone Number** 44 1628-631913

**Emergency telephone** §45 - (EC)1272/2008

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

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

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

Skin sensitization	Category 1 - (H317)
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### 2.2. Label elements



**Signal word**

**Warning**

#### Hazard Statements

H317 - May cause an allergic skin reaction

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

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

P272 - Contaminated work clothing should not be allowed out of the workplace

P321 - Specific treatment (see supplemental first aid instructions on this label)

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P363 - Wash contaminated clothing before reuse

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

**2.3. Other hazards**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable.

**3.2 Mixtures**

Chemical name	EC No	CAS-No	Percent	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Silicon dioxide	231-545-4	7631-86-9	1-5	No data available	
Graphite	231-955-3	7782-42-5	1-5	No data available	
1,3,4-Thiadiazole, 2,5-bis(octyldithio)-	236-912-2	13539-13-4	0-1	Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Acute Tox. 4 (H332)	

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

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)

Chemical name	CAS-No	SVHC candidates
Silicon dioxide	7631-86-9	-
Graphite	7782-42-5	-
1,3,4-Thiadiazole, 2,5-bis(octyldithio)-	13539-13-4	-

**Section 4: First aid measures****4.1. Description of first aid measures**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air.
<b>Skin contact</b>	Wash with soap and water. May cause an allergic skin reaction. 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**

**Symptoms** Itching. Rashes. Hives.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

### **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**

Product is or contains a sensitizer. May cause sensitization by skin contact.

##### **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** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**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. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

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

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

**7.3. Specific end use(s)****Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Exposure Limits**

Chemical name	EU	United Kingdom	France	Spain	Germany
Silicon dioxide 7631-86-9	-	STEL: 18 mg/m <sup>3</sup> STEL: 7.2 mg/m <sup>3</sup> TWA: 6 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup>	-	-	TWA: 4 mg/m <sup>3</sup>
Graphite 7782-42-5	-	STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	-
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Silicon dioxide 7631-86-9	-	-	-	TWA: 5 mg/m <sup>3</sup>	-
Graphite 7782-42-5	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	-	TWA: 2 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Silicon dioxide 7631-86-9	TWA: 4 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup>	-	TWA: 1.5 mg/m <sup>3</sup> STEL: 1.5 mg/m <sup>3</sup>	TWA: 6 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup> STEL: 18 mg/m <sup>3</sup> STEL: 7.2 mg/m <sup>3</sup>
Graphite 7782-42-5	STEL 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 4.0 mg/m <sup>3</sup> TWA: 1.0 mg/m <sup>3</sup> TWA: 6.0 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup> STEL: 8 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 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** Wear safety glasses with side shields (or goggles).

**Hand Protection** Wear suitable gloves.

**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

<b>Physical state</b>	Semi-Solid Paste
<b>Appearance</b>	Black
<b>Odor</b>	Oily
<b>Color</b>	No information available
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	7	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	315 °C	None known	
Flash Point	> 260 °C	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air	No data available	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	1.06	None known	
Water Solubility	Insoluble in water	None known	
Solubility(ies)	No data available	None known	
Partition coefficient: n-octanol/water	Not Applicable	None known	
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

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content (%)</b>	None
<b>Liquid Density</b>	No information available
<b>Bulk Density</b>	No information available
<b>Particle Size</b>	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

**Possibility of Hazardous Reactions** None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### 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**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Causes mild skin irritation.

**Ingestion** Specific test data for the substance or mixture is not available.

#### Information on toxicological effects

**Symptoms** Itching. Rashes. Hives.

#### Numerical measures of toxicity

**Acute Toxicity**

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

**ATEmix** 8.40 mg/L  
(inhalation-dust/mist)

**Unknown acute toxicity**

- 95.4 % of the mixture consists of ingredient(s) of unknown toxicity
- 95.4 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 95.4 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 95.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 95.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 94.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Silicon dioxide	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.2 mg/L ( Rat ) 1 h

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

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	May cause sensitization by skin contact.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<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)
Silicon dioxide	72h EC50: = 440 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 5000 mg/L (Brachydanio rerio)	-	48h EC50: = 7600 mg/L



**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
Silicon dioxide	
Graphite	

**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/IMO**

<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 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**

<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



14.5 Environmental hazard Not applicable  
 14.6 Special Provisions None

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

**IATA** NOT REGULATED  
 14.1 UN-No. NOT REGULATED  
 14.2 Proper Shipping Name NON REGULATED  
 14.3 Hazard Class NOT REGULATED  
 14.4 Packing Group NOT REGULATED  
 14.5 Environmental hazard Not applicable  
 14.6 Special Provisions None

## Section 15: Regulatory information

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

#### National regulations

##### France

##### Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
Silicon dioxide 7631-86-9	RG 25	-
Graphite 7782-42-5	RG 16 RG 25	-

##### 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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances 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

##### TSCA

Contact supplier for inventory compliance status.



<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>	Complies.
<b>PICCS</b>	Not determined.
<b>AICS</b>	Not determined.

**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**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

H332 - Harmful if inhaled

**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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**This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for

such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

