



# SLS Cam Lube Summer/Winter

## Safety Data Sheet

GHS

Date of issue: 7/20/2016

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Supersedes:

Version: 2.0

### SECTION 1: Identification of Product and Company

Product name : SLS Cam Lube Summer/Winter  
Recommended use : Lubricant  
Restrictions on use : Product for industrial use only

Stewart Lubricants & Service Co., Inc.

144 Citation court

35209 Birmingham, AL - USA

T (205) 945-4991

[slslube@stewartlubricants.com](mailto:slslube@stewartlubricants.com) - [www.stewartlubricants.com](http://www.stewartlubricants.com)

Emergency number : CHEMTREC (24 hours): 1-800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Skin corrosion/irritation, Category 2

Serious eye damage/eye irritation, Category 1

Skin sensitisation, category 1B

Hazardous to the aquatic environment — Acute Hazard, Category 3

Hazardous to the aquatic environment — Chronic Hazard, Category 3

#### 2.2. Label elements

##### GHS-BR labelling

Hazard pictograms (GHS-BR) :



GHS05

GHS07

Signal word (GHS-BR) : Danger

Hazard statements (GHS-BR) : H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS-BR) : P261 - Avoid breathing spray, vapours.  
P264 - Wash hands thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection, protective gloves, protective clothing.  
P302+P352 - IF ON SKIN: Wash with plenty of water  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - If on skin, if in eyes, if swallowed, and if inhaled, immediately call a doctor  
P321 - Specific treatment (see First aid measures on this label)  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P501 - Dispose of contents/container to Collection point

#### 2.3. Other hazards not contributing to the classification

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Comments : Exact concentrations are withheld as trade secret.

Name	Product identifier	%	Classification according to GHS-BR (ABNT NBR 14725)
Isobutene-butene polymer	(CAS-No.) 9003-29-6	0 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

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Name	Product identifier	%	Classification according to GHS-BR (ABNT NBR 14725)
1,3,4-thiadiazole-2,5-dithiol	(CAS-No.) 1072-71-5	0 - 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Terpene hydrocarbons	(CAS-No.) 68956-56-9	0 - 3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
poly glycol derivative		0 - 3	Skin Irrit. 3, H316
Oxirane, methyl-, polymer with oxirane, monobutyl ether	(CAS-No.) 9038-95-3	0.3 - 1	Acute Tox. 4 (Oral), H302
5,5'-thiobis(2-mercapto-1,3,4-thiadiazole)	(CAS-No.) 7340-97-8	0 - 1	Skin Sens. 1B, H317 Aquatic Acute 3, H402 Aquatic Chronic 2, H411
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	(CAS-No.) 72676-55-2	0 - 1	Skin Sens. 1B, H317

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Artificial respiration and/or oxygen if necessary. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Wash with plenty of water/.... If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse.
First-aid measures after eye contact	: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation	: Inhalation of vapours may cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

Treatment	: Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Dry powder. Foam. Sand. Water spray.
Unsuitable extinguishing media	: None known.

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

Fire hazard	: Heating may cause a fire.
Explosion hazard	: Product is not explosive.
Reactivity	: No dangerous reactions known.

#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

### SECTION 6: Accidental release measures

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

General measures	: No open flames. No smoking. No flames, no sparks. Eliminate all sources of ignition. Ensure adequate ventilation. Use personal protective equipment as required.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Refer to section 8.2.
Emergency procedures	: Evacuate unnecessary personnel.

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### 6.1.2. For emergency responders

Protective equipment : Refer to section 8.2.  
Emergency procedures : Ventilate area. Stop leak if safe to do so.

### 6.2. Environmental precautions

Do not discharge into drains or the environment. Notify authorities if product enters sewers or public waters. Prevent entry to sewers and public waters.

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

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid breathing spray, vapours. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Provide local exhaust or general room ventilation.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

Storage conditions : Keep container tightly closed.  
Incompatible products : Strong oxidizers.  
Incompatible materials : Heat sources.  
Heat and ignition sources : Keep away from heat, sparks and flame.  
Storage area : Store in dry, cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

Appropriate engineering controls : Provide local exhaust or general room ventilation. Provide local exhaust ventilation of closed transfer systems to minimize exposures. Use explosion-proof equipment.  
Environmental exposure controls : Prevent leakage or spillage. Prevent contaminated water run-off.

### 8.3. Personal protective equipment

Personal protective equipment : Avoid all unnecessary exposure.  
Hand protection : Wear suitable gloves resistant to chemical penetration. neoprene gloves. nitrile rubber gloves. Butyl rubber gloves. Polyethylene. PVC. Vinyl.  
Eye protection : Chemical goggles or safety glasses. Use splash goggles when eye contact due to splashing is possible. Face shield.  
Skin and body protection : Wear suitable protective clothing. Long sleeved protective clothing. Impervious clothing.  
Respiratory protection : In case of inadequate ventilation wear respiratory protection. NIOSH. Approved respirator. Use air-purifying respirator equipped with particulate filtering cartridges.

## SECTION 9: Physical and chemical properties

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

Physical state : Solid  
Appearance : Semi-solid. Paste.  
Colour : Grey Black  
Odour : Citrus mild Sulphur  
Odour threshold : No data available  
pH : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : > 232 °C  
Flash point : 137 °C  
Relative evaporation rate (butylacetate=1) : No data available  
Flammability (solid, gas) : No data available  
Explosive limits : No data available

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Vapour pressure	: < 1 mm Hg (20 °C)
Relative vapour density at 20 °C	: No data available
Relative density	: 1.132 (20 °C)
Solubility	: Water: < 5 %
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: > 1000 cSt
Viscosity, dynamic	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

Chemical stability	: Stable under recommended handling and storage conditions (see section 7).
Conditions to avoid	: Heat
Hazardous decomposition products	: Thermal decomposition generates :Carbon oxides (CO, CO2)
Incompatible materials	: Strong oxidizers
Possibility of hazardous reactions	: Hazardous polymerization will not occur.
Reactivity	: No dangerous reactions known

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not available
Acute toxicity (dermal)	: Not available
Acute toxicity (inhalation)	: Not available

<b>Isobutene-butene polymer (9003-29-6)</b>	
LD50 oral rat	> 34600 mg/kg
LD50 dermal rabbit	> 10250 mg/kg
LC50 inhalation rat (mg/l)	> 17300 mg/m <sup>3</sup>
<b>Oxirane, methyl-, polymer with oxirane, monobutyl ether (9038-95-3)</b>	
LD50 oral rat	1843 mg/kg
LD50 dermal rat	> 8000 mg/kg
ATE US (oral)	1843 mg/kg bodyweight
<b>5,5'-thiobis(2-mercapto-1,3,4-thiadiazole) (7340-97-8)</b>	
LD50 oral rat	> 2500 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione (72676-55-2)</b>	
LD50 oral rat	6480 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	6480 mg/kg bodyweight
<b>1,3,4-thiadiazole-2,5-dithiol (1072-71-5)</b>	
LD50 oral rat	930 mg/kg
ATE US (oral)	930 mg/kg bodyweight
<b>Terpene hydrocarbons (68956-56-9)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not classified.

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Reproductive toxicity	: Not available
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STOT-single exposure : Not available

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STOT-repeated exposure : Not available

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Aspiration hazard : Not available

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Viscosity, kinematic > 1000 mm<sup>2</sup>/s

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.  
Ecology - water : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.  
Unknown hazards to the aquatic environment : Contains 37.92 % of components with unknown hazards to the aquatic environment  
Acute aquatic toxicity : Harmful to aquatic life.  
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.  
Other information : No additional information available.

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**Isobutene-butene polymer (9003-29-6)**

LC50 fish 1 > 1000 mg/l

EC50 Daphnia 1 > 1000 mg/l

**Oxirane, methyl-, polymer with oxirane, monobutyl ether (9038-95-3)**

LC50 fish 1 3200 mg/l 96 h

EC50 Daphnia 1 4400 mg/l 48 h

**5,5'-thiobis(2-mercapto-1,3,4-thiadiazole) (7340-97-8)**

LC50 fish 1 > 100 mg/l 96 h

EC50 Daphnia 1 18 mg/l 48 h

NOEC (acute) 0.56 mg/l Daphnia 48 h

**Terpene hydrocarbons (68956-56-9)**

LC50 fish 1 5.07 mg/l 96 h

EC50 Daphnia 1 2.1 mg/l 48 h

#### 12.2. Persistence and degradability

**SLS Cam Lube Summer**

Persistence and degradability May cause long-term adverse effects in the environment.

**Isobutene-butene polymer (9003-29-6)**

Persistence and degradability This product is not expected to be biodegradable.

**5,5'-thiobis(2-mercapto-1,3,4-thiadiazole) (7340-97-8)**

Persistence and degradability Not readily biodegradable.

Biodegradation 41 % 28 d

#### 12.3. Bioaccumulative potential

**SLS Cam Lube Summer**

Bioaccumulative potential Not established.

**Isobutene-butene polymer (9003-29-6)**

Bioaccumulative potential This product is not bioaccumulating.

**Terpene hydrocarbons (68956-56-9)**

Log Pow 4.24

#### 12.4. Mobility in soil

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Ecology - soil No additional information available.

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<b>Isobutene-butene polymer (9003-29-6)</b>	
Ecology - soil	This material has low solubility and floats and is not expected to partition to water.

### 12.5. Other adverse effects

Other information : No additional information available.

## SECTION 13: Disposal considerations

Sewage disposal recommendations : Do not dispose of waste into sewer.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### 14.1 National and international Regulations

Not considered a dangerous good for transport regulations

### 14.2 Other information

No additional information available

## SECTION 15: Regulatory information

No additional information available

## SECTION 16: Other information

Other information : None.  
Data sources : ACGIH (American Conference of Government Industrial Hygienists). Australia Worksafe "Preparation of Safety Data Sheets for Hazardous Chemicals". European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. United Nations Economic Commission for Europe: About the GHS. Accessed at [http://www.unece.org/trans/danger/publi/ghs/ghs\\_welcome\\_e.html](http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html). OSHA 29CFR 1910.1200 Hazard Communication Standard.  
Abbreviations and acronyms : GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).  
ATE: Acute Toxicity Estimate  
CAS (Chemical Abstracts Service) number  
EC50: Environmental Concentration associated with a response by 50% of the test population.  
LD50: Lethal Dose for 50% of the test population  
STEL: Short Term Exposure Limits  
TWA: Time Weighted Average

Indication of changes:

Composition/information on ingredients. Classification.

**SDS prepared by:** The Redstone Group, LLC.  
6077 Frantz Rd  
Suite 206  
Dublin, Ohio USA 43016  
614.923.7472  
[www.redstonegrp.com](http://www.redstonegrp.com)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*