



# SLS Cam Lube Summer

## Safety Data Sheet

WorkSafe Australia

Date of issue: 07/20/2016

Revision date: 04/26/2018

Version: 3.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : SLS Cam Lube Summer

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

Recommended use : Lubricant  
Restrictions on use : Product for industrial use only

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

Stewart Lubricants & Service Co. Australia Pty Ltd  
209 Ekibin Road East  
Tarragindi QLD 4121  
ABN 85 613 943 703

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard(s) identification

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

##### GHS Classification

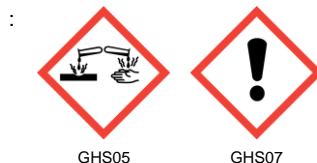
Skin Irrit. 2 H315  
Eye Dam. 1 H318  
Skin Sens. 1B H317

Full text of hazard classes and H-statements : see section 16

#### 2.2. Label elements

##### GHS Labelling

Hazard pictograms (GHS)



GHS05

GHS07

Signal word (GHS)

: Danger

Hazard statements (GHS)

: H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.

Precautionary statements (GHS)

: P261 - Avoid breathing spray, vapours.  
P264 - Wash hands thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P280 - Wear eye protection, protective gloves, protective clothing.  
P302+P352 - If on skin: Wash with plenty of soap, 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 - 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.  
P363 - Wash contaminated clothing before reuse.  
P501 - Dispose of contents/container to Collection point

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS)

32.8% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
32.8% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

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33.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS Classification
Isobutene-butene polymer	(CAS-No.) 9003-29-6	0 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
1,3,4-thiadiazole-2,5-dithiol	(CAS-No.) 1072-71-5	0 - 10	Comb. Dust 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 Chronic 2, H411
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 Chronic 2, H411
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	(CAS-No.) 72676-55-2	0 - 1	Skin Sens. 1B, H317

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

### 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

Treat symptomatically.

### 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.
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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.

##### 6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.

Emergency procedures : Evacuate unnecessary personnel.

##### 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.

#### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

### 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

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

Not applicable

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

Not applicable

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

Not applicable

##### 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione (72676-55-2)

Not applicable

##### 1,3,4-thiadiazole-2,5-dithiol (1072-71-5)

Not applicable

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

Not applicable

#### 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.
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.
Environmental exposure controls	: Prevent leakage or spillage. Prevent contaminated water run-off.
Other information	: Do not eat, drink or smoke when using this product.

### 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
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
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: > 1000 cSt
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known.

#### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

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### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure : Inhalation; Skin and eye contact

Acute toxicity : Not classified

Isobutene-butene polymer (9003-29-6)	
LD50 oral rat	> 34600 mg/kg
LD50 dermal rabbit	> 10250 mg/kg
LC50 inhalation rat (mg/l)	> 17300 mg/m <sup>3</sup>

Oxirane, methyl-, polymer with oxirane, monobutyl ether (9038-95-3)	
LD50 oral rat	1843 mg/kg
LD50 dermal rat	> 8000 mg/kg
ATE US (oral)	1843 mg/kg bodyweight

5,5'-thiobis(2-mercapto-1,3,4-thiadiazole) (7340-97-8)	
LD50 oral rat	> 2500 mg/kg
LD50 dermal rat	> 2000 mg/kg

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione (72676-55-2)	
LD50 oral rat	6480 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	6480 mg/kg bodyweight

1,3,4-thiadiazole-2,5-dithiol (1072-71-5)	
LD50 oral rat	930 mg/kg
ATE US (oral)	930 mg/kg bodyweight

Terpene hydrocarbons (68956-56-9)	
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 classified  
Carcinogenicity : Not classified.

Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified  
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.

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### 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.

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.

Isobutene-butene polymer (9003-29-6)	
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

#### 13.1. Waste treatment methods

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.

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### SECTION 14: Transport information

#### Australia Dangerous Goods Code

In accordance with ADG7.4

Not regulated.

#### Transport by sea

Not regulated.

#### Air transport

Not regulated.

### SECTION 15: Regulatory information

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

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on KECI (Korean Existing Chemicals Inventory)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on Taiwan National Chemical Inventory  
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

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

Listed on the AICS (Australian Inventory of Chemical Substances)

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

Exempt from the United States Toxic Substances Control Act (TSCA) inventory.  
Listed on the AICS (Australian Inventory of Chemical Substances)

#### 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione (72676-55-2)

Listed on KECI (Korean Existing Chemicals Inventory)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on Taiwan National Chemical Inventory  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

#### 1,3,4-thiadiazole-2,5-dithiol (1072-71-5)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on KECI (Korean Existing Chemicals Inventory)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on Taiwan National Chemical Inventory  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

### SECTION 16: Other information

Revision date : 04/26/2018

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.

Other information : None.

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### Full text of H-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 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

### NFPA health hazard

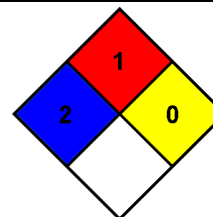
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

### NFPA fire hazard

: 1 - Materials that must be preheated before ignition can occur.

### NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



### Indication of changes:

Composition/information on ingredients.

### 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*