



# Slide Lube Heavy

## Safety Data Sheet

WorkSafe Australia

Date of issue: 07/20/2016

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Version: 3.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Slide Lube Heavy

#### 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 Irrit. 2A H319  
Skin Sens. 1 H317

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

#### 2.2. Label elements

##### GHS Labelling

Hazard pictograms (GHS) :



GHS07

Signal word (GHS) : Warning

Hazard statements (GHS) :  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.

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 protective gloves, protective clothing, eye protection.  
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.  
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.  
P337+P313 - If eye irritation persists: 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)

3.05% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
3.05% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
4% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

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### 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 - 70	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Terpene hydrocarbons	(CAS-No.) 68956-56-9	0.8 - 8	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
sulfurized isobutylene	(CAS-No.) 68511-50-2	0 - 3	Flam. Liq. 4, H227 Aquatic Chronic 4, H413
Amines, C12-14-alkyl, C6-10-alkyl phosphates	(CAS-No.) 68603-55-4	0 - 1	Eye Irrit. 2A, H319
2,5-bis(octyldithio)-1,3,4-thiadiazole	(CAS-No.) 13539-13-4	0 - 1	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, 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/.... Remove contaminated clothing and shoes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing 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. Get immediate medical advice/attention.
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 may cause: irritation, coughing, shortness of breath.
Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation.
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	: Eliminate all ignition sources if safe to do so. 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.

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Other information : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### SECTION 6: Accidental release measures

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

General measures : Ensure adequate ventilation. Keep upwind. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

##### 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

Avoid release to the environment. Notify authorities if product enters sewers or 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 contact with skin, eyes and clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing spray, vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

##### 2,5-bis(octyldithio)-1,3,4-thiadiazole (13539-13-4)

Not applicable

##### Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)

Not applicable

##### sulfurized isobutylene (68511-50-2)

Not applicable

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

Not applicable

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### 8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Provide adequate general and local exhaust ventilation. Provide local exhaust ventilation of closed transfer systems to minimize exposures.
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	: Liquid
Colour	: Black brown
Odour	: petroleum
Odour threshold	: No data available
pH	: 7 - 7.2
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 126 °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	: 0.955 (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 normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong oxidizers.

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### 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>

2,5-bis(octyldithio)-1,3,4-thiadiazole (13539-13-4)	
ATE US (dust,mist)	1.5 mg/l/4h

sulfurized isobutylene (68511-50-2)	
LD50 oral rat	8600 mg/kg
ATE US (oral)	8600 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 irritation.  
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 may cause: irritation, coughing, shortness of breath.

Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

## SECTION 12: Ecological information

### 12.1. Toxicity

Isobutene-butene polymer (9003-29-6)	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l

sulfurized isobutylene (68511-50-2)	
LC50 fish 1	< 1000 mg/l
EC50 Daphnia 1	1000 mg/l
EC50 other aquatic organisms 1	29 (29 - 39) mg/l
ErC50 (algae)	> 100 mg/l
NOEC (acute)	< 1000 mg/l
NOEC chronic crustacea	1000 mg/l
NOEC chronic algae	10 mg/l

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<b>Terpene hydrocarbons (68956-56-9)</b>	
LC50 fish 1	5.07 mg/l 96 h
EC50 Daphnia 1	2.1 mg/l 48 h

### 12.2. Persistence and degradability

<b>Slide Lube Heavy</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>Isobutene-butene polymer (9003-29-6)</b>	
Persistence and degradability	This product is not expected to be biodegradable.
<b>Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)</b>	
Persistence and degradability	Not readily biodegradable.

### 12.3. Bioaccumulative potential

<b>Slide Lube Heavy</b>	
Bioaccumulative potential	Not established.
<b>Isobutene-butene polymer (9003-29-6)</b>	
Bioaccumulative potential	This product is not bioaccumulating.
<b>sulfurized isobutylene (68511-50-2)</b>	
Log Pow	> 3
<b>Terpene hydrocarbons (68956-56-9)</b>	
Log Pow	4.24

### 12.4. Mobility in soil

<b>Slide Lube Heavy</b>	
Ecology - soil	No additional information available.
<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

### 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.

## SECTION 14: Transport information

### Australia Dangerous Goods Code

In accordance with ADG7.4

Not applicable

### Transport by sea

Not regulated.

### Air transport

Not regulated.

## SECTION 15: Regulatory information

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### 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

### 2,5-bis(octyldithio)-1,3,4-thiadiazole (13539-13-4)

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

### Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)

Listed on the AICS (Australian Inventory of Chemical Substances)

### sulfurized isobutylene (68511-50-2)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on KECI (Korean Existing Chemicals Inventory)  
Listed on Taiwan National Chemical Inventory  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Not listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

## SECTION 16: Other information

Revision date	: 04/25/2018
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 <a href="http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database">http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database</a> . 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 <a href="http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html">http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html</a> . OSHA 29CFR 1910.1200 Hazard Communication Standard.
Other information	: None.

Full text of H-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Liq. 4	Flammable liquids, Category 4
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H226	Flammable liquid and vapour.
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Abbreviations and acronyms:

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	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.

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