



# SLS BI OGL II Extra Heavy/Heavy/Medium/Light

## Safety Data Sheet

Safe Work Australia

Date of issue: 02/08/2019

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Version: 2.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : SLS BI OGL II Extra Heavy/Heavy/Medium/Light

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Lubricant  
Restrictions on use : No additional information available

#### 1.3. Supplier

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 (24hrs): 1-800-424-9300

### SECTION 2: Hazard(s) identification

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

##### GHS classification

Eye Irrit. 2A H319 Causes serious eye irritation.  
Skin Sens. 1 H317 May cause an allergic skin reaction.

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

#### 2.2. GHS Label elements, including precautionary statements

##### GHS labelling

Hazard pictograms (GHS) :



Signal word (GHS) : Warning  
Hazard statements (GHS) : H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
Precautionary statements (GHS) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
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.  
P321 - Specific treatment (see supplemental first aid instruction on this label)  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards which do not result in classification

No additional information available

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

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Comments : There is no exposure to respirable particles when this product is used as intended.

Name	Product identifier	%	GHS classification
Graphite	(CAS-No.) 7782-42-5	3 - 7	Eye Irrit. 2B, H320
Pentene, 2,4,4-trimethyl-, sulfurized	(CAS-No.) 68515-88-8	1 - 5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Isobutene-butene polymer	(CAS-No.) 9003-29-6	1 - 3	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
1,3,4-thiadiazole-2,5-dithiol	(CAS-No.) 1072-71-5	1 - 3	Comb. Dust Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%)	(CAS-No.) 64742-54-7	0 - 1	Asp. Tox. 1, H304
Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%)	(CAS-No.) 64742-65-0	0 - 1	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated light paraffinic (DMSO < 3%)	(CAS-No.) 64742-55-8	0 - 1	Asp. Tox. 1, H304
2,5-bis(octyldithio)-1,3,4-thiadiazole	(CAS-No.) 13539-13-4	0.1 - 0.5	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
5,5'-thiobis(2-mercapto-1,3,4-thiadiazole)	(CAS-No.) 7340-97-8	0.1 - 0.5	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	(CAS-No.) 72676-55-2	0.01 - 0.5	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 you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects (acute and delayed)

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

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard	: Burning produces irritating, toxic and noxious fumes.
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### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
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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### SECTION 6: Accidental release measures

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

General measures : Avoid contact with skin, eyes and clothing. Do not breathe vapour. 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.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

#### 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. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin, eyes and clothing. Do not breathe vapours. Wear personal protective equipment.

Hygiene measures : 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 only in the original container. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids. Strong oxidizers.

Incompatible materials : Sources of ignition. Direct sunlight.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid splashing. Avoid creating mist or spray. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

##### Hand protection:

Use rubber gloves.

##### Eye protection:

Chemical goggles or safety glasses

##### Respiratory protection:

None under normal use

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### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Paste.
Colour	: Grey Black
Odour	: mild petroleum
Odour threshold	: No data available
pH	: 7 - 7.2 (1% solution in water)
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 371 °C
Flash point	: > 177 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: < 1 mm Hg @ 20 °C
Relative vapour density at 20 °C	: No data available
Relative density	: 1.005 @ 20 °C
Solubility	: Water: < 5 %
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: > 1000 mm²/s @ 40 °C
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

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified

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Acute toxicity (inhalation) : Not classified

<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>Graphite (7782-42-5)</b>	
LD50 oral rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2000 mg/m <sup>3</sup> 4 h, no mortality observed

<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>Distillates (petroleum), hydrotreated heavy paraffinic (DMSO &lt; 3%) (64742-54-7)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.53 mg/l/4h

<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO &lt; 3%) (64742-65-0)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

<b>Distillates (petroleum), hydrotreated light paraffinic (DMSO &lt;3%) (64742-55-8)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 10.5 mg/l/4h

<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>Pentene, 2,4,4-trimethyl-, sulfurized (68515-88-8)</b>	
LD50 oral rat	3641 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	3641 mg/kg bodyweight

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

Skin corrosion/irritation	: Not classified
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
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: > 1000 mm <sup>2</sup> /s @ 40 °C
Likely routes of exposure	: Inhalation. Skin and eye contact.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

<b>Isobutene-butene polymer (9003-29-6)</b>	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
<b>Graphite (7782-42-5)</b>	
LC50 fish 1	> 100 mg/l 96 h, no mortality observed
EC50 Daphnia 1	> 100 mg/l 48 h, no mortality observed
<b>Distillates (petroleum), hydrotreated heavy paraffinic (DMSO &lt; 3%) (64742-54-7)</b>	
EC50 Daphnia 1	> 10000 mg/l
<b>Distillates (petroleum), hydrotreated light paraffinic (DMSO &lt; 3%) (64742-55-8)</b>	
LC50 fish 1	101 mg/l > 100 mg/l LL50. 101 is put in for calculations, per request of IPAC
<b>5,5'-thiobis(2-mercapto-1,3,4-thiadiazole) (7340-97-8)</b>	
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
<b>Pentene, 2,4,4-trimethyl-, sulfurized (68515-88-8)</b>	
EC50 Daphnia 1	0.035 mg/l 48 h

#### 12.2. Persistence and degradability

<b>SLS BI OGL II Extra Heavy/Heavy/Medium/Light</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>Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO &lt; 3%) (64742-65-0)</b>	
Persistence and degradability	Not established.
<b>Distillates (petroleum), hydrotreated light paraffinic (DMSO &lt; 3%) (64742-55-8)</b>	
Persistence and degradability	Not readily biodegradable.
<b>5,5'-thiobis(2-mercapto-1,3,4-thiadiazole) (7340-97-8)</b>	
Persistence and degradability	Not readily biodegradable.
Biodegradation	41 % 28 d
<b>Pentene, 2,4,4-trimethyl-, sulfurized (68515-88-8)</b>	
Persistence and degradability	inherently biodegradable.

#### 12.3. Bioaccumulative potential

<b>SLS BI OGL II Extra Heavy/Heavy/Medium/Light</b>	
Bioaccumulative potential	Not established.
<b>Isobutene-butene polymer (9003-29-6)</b>	
Bioaccumulative potential	This product is not bioaccumulating.
<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO &lt; 3%) (64742-65-0)</b>	
Bioaccumulative potential	Not established.
<b>Pentene, 2,4,4-trimethyl-, sulfurized (68515-88-8)</b>	
Log Pow	12.56

#### 12.4. Mobility in soil

<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 : Avoid release to the environment.

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

- 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

#### ADG

- Transport document description : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pentene, 2,4,4-trimethyl-, sulfurized), 9, III
- UN-No. (TDG) : UN 3082
- Proper Shipping Name (Transportation of Dangerous Goods) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- TDG Primary Hazard Classes : 9 - Class 9 - Miscellaneous Products, Substances or Organisms
- Packing group : III - Minor Danger

#### Transport by sea

- Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pentene, 2,4,4-trimethyl-, sulfurized), 9, III, MARINE POLLUTANT
- UN-No. (IMDG) : 3082
- Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- Class (IMDG) : 9 - Miscellaneous dangerous substances and articles
- Packing group (IMDG) : III - substances presenting low danger
- Limited quantities (IMDG) : 5 L

#### Air transport

- Transport document description (IATA) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pentene, 2,4,4-trimethyl-, sulfurized), 9, III
- UN-No. (IATA) : 3082
- Proper Shipping Name (IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- Class (IATA) : 9 - Miscellaneous Dangerous Goods
- Packing group (IATA) : III - Minor Danger

### SECTION 15: Regulatory information

#### National regulations

##### 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  
Listed on the Japanese ISHL (Industrial Safety and Health Law)

##### Graphite (7782-42-5)

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

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### 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

### Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)

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

### Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)

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)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

### Distillates (petroleum), hydrotreated light paraffinic (DMSO < 3%) (64742-55-8)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
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

### 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)

### 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

## SECTION 16: Other information

Revision date : 02/26/2019

Data sources : ACGIH (American Conference of Government Industrial Hygienists). Canadian Centre for Occupational Health and Safety. Accessed at: [http://www.ccohs.ca/oshanswers/legisl/whmis\\_classifi.html](http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html). 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. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>. WHMIS: The Workplace Hazardous Materials Information System: Canada's national hazard



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communication standard.

Other information

: None.

Full text of H-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
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
Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
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.
H320	Causes eye irritation
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	TSCA: Toxic Substances Control Act
	STEL: Short Term Exposure Limits
	TWA: Time Weighted Average

Indication of changes:

Composition/information on ingredients.

**SDS prepared by:**

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

*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*