



SLS EP Grease, NLGI (00,0,1,2)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/28/2019

Revision date: 03/08/2019

Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : SLS EP Grease, NLGI (00,0,1,2)

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Lubricants, greases, release products
Restrictions on use : No additional information available

1.3. Supplier

Loadmaster Lubricants, LLC
13615 Fenway Blvd. Ct. N
Hugo, MN 55038
T 651-656-2225 - F 651-653-3402

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-US classification

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 US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : H317 - May cause an allergic skin reaction.
Precautionary statements (GHS US) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
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/...
P321 - Specific treatment (see supplemental first aid instruction on this label)
P333+P313 - If skin irritation or rash occurs: 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 US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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

Name	Product identifier	%	GHS-US classification
Dry lubricant	(CAS-No.) trade secret	1 - 5	Eye Irrit. 2B, H320

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Name	Product identifier	%	GHS-US classification
Sulfurized diisobutylene	(CAS-No.) trade secret	0.5 - 1.5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Thiadiazole 1	(CAS-No.) trade secret	0.5 - 1.5	Skin Sens. 1B, H317
Isobutene-butene polymer	(CAS-No.) trade secret	0.5 - 1.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Petroleum distillates 1 (DMSO < 3%)	(CAS-No.) trade secret	0 - 1	Asp. Tox. 1, H304
Petroleum distillates 1 (DMSO < 3%)	(CAS-No.) trade secret	0 - 1	Asp. Tox. 1, H304
Petroleum distillates 3 (DMSO < 3%)	(CAS-No.) trade secret	0 - 1	Asp. Tox. 1, H304
Thiadiazole 2	(CAS-No.) trade secret	0.1 - 0.5	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
Thiadiazole 3	(CAS-No.) trade secret	0.1 - 0.5	Skin Sens. 1B, H317 Aquatic Chronic 2, H411

*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. Wash skin thoroughly with mild soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- 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 inhalation : Inhalation of vapours may cause respiratory irritation.
- Symptoms/effects after skin contact : May cause an allergic skin reaction.
- Symptoms/effects after eye contact : May cause slight 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.

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.

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.

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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.

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.

Storage area : Store in a dry, cool area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Isobutene-butene polymer (trade secret)		
Not applicable		
Dry lubricant (trade secret)		
ACGIH	Local name	Dry lubricant
ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
ACGIH	Remark (ACGIH)	Pneumoconiosis
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
OSHA	Remark (OSHA)	(3) See Table Z-3.
NIOSH	NIOSH REL (TWA) (mg/m ³)	2.5 mg/m ³
NIOSH	Remark (NIOSH)	(respirable dust)
Thiadiazole 1 (trade secret)		
Not applicable		
Thiadiazole 3 (trade secret)		
Not applicable		
Sulfurized diisobutylene (trade secret)		
Not applicable		
Thiadiazole 2 (trade secret)		
Not applicable		
Petroleum distillates 1 (DMSO < 3%) (trade secret)		
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³

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Petroleum distillates 1 (DMSO < 3%) (trade secret)		
ACGIH	ACGIH STEL (mg/m³)	10 mg/m³
OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
Petroleum distillates 2 (DMSO < 3%) (trade secret)		
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³ oil mist
ACGIH	ACGIH STEL (mg/m³)	10 mg/m³ oil mist
OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
Petroleum distillates 3 (DMSO < 3%) (trade secret)		
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
ACGIH	ACGIH STEL (mg/m³)	10 mg/m³

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.
- Environmental exposure controls : Prevent leakage or spillage. Prevent contaminated water run-off.

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

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. Opaque.
- 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

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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: > 1000 mm ² /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
Acute toxicity (inhalation)	: Not classified

Isobutene-butene polymer (trade secret)	
LD50 oral rat	> 34600 mg/kg
LD50 dermal rabbit	> 10250 mg/kg
LC50 inhalation rat (mg/l)	> 17300 mg/m ³
Dry lubricant (trade secret)	
LD50 oral rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2000 mg/m ³ 4 h, no mortality observed
Thiadiazole 1 (trade secret)	
LD50 oral rat	6480 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	6480 mg/kg bodyweight
Thiadiazole 3 (trade secret)	
LD50 oral rat	> 2500 mg/kg
LD50 dermal rat	> 2000 mg/kg
Sulfurized diisobutylene (trade secret)	
LD50 oral rat	3641 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	3641 mg/kg bodyweight
Thiadiazole 2 (trade secret)	
ATE US (dust,mist)	1.5 mg/l/4h
Petroleum distillates 1 (DMSO < 3%) (trade secret)	
LD50 oral rat	> 5000 mg/kg

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Petroleum distillates 1 (DMSO < 3%) (trade secret)	
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.53 mg/l/4h
Petroleum distillates 2 (DMSO < 3%) (trade secret)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Petroleum distillates 3 (DMSO < 3%) (trade secret)	
LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 10.5 mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
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 mm²/s @ 40 °C
Likely routes of exposure	: Inhalation. Skin and eye contact.
Symptoms/effects after inhalation	: Inhalation of vapours may cause respiratory irritation.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: May cause slight irritation.

SECTION 12: Ecological information

12.1. Toxicity

Isobutene-butene polymer (trade secret)	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
Dry lubricant (trade secret)	
LC50 fish 1	> 100 mg/l 96 h, no mortality observed
EC50 Daphnia 1	> 100 mg/l 48 h, no mortality observed
Thiadiazole 3 (trade secret)	
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
Sulfurized diisobutylene (trade secret)	
EC50 Daphnia 1	0.035 mg/l 48 h
Petroleum distillates 1 (DMSO < 3%) (trade secret)	
EC50 Daphnia 1	> 10000 mg/l
Petroleum distillates 3 (DMSO < 3%) (trade secret)	
LC50 fish 1	101 mg/l > 100 mg/l LL50. 101 is put in for calculations, per request of IPAC

12.2. Persistence and degradability

SLS EP Grease, NLGI (00,0,1,2)	
Persistence and degradability	Not established.
Isobutene-butene polymer (trade secret)	
Persistence and degradability	This product is not expected to be biodegradable.

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Thiadiazole 3 (trade secret)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	41 % 28 d

Sulfurized diisobutylene (trade secret)	
Persistence and degradability	inherently biodegradable.

Petroleum distillates 2 (DMSO < 3%) (trade secret)	
Persistence and degradability	Not established.

Petroleum distillates 3 (DMSO <3%) (trade secret)	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

SLS EP Grease, NLGI (00,0,1,2)	
Bioaccumulative potential	Not established.

Isobutene-butene polymer (trade secret)	
Bioaccumulative potential	This product is not bioaccumulating.

Sulfurized diisobutylene (trade secret)	
Log Pow	12.56

Petroleum distillates 2 (DMSO < 3%) (trade secret)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Isobutene-butene polymer (trade secret)	
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.

SECTION 13: Disposal considerations

13.1. Disposal 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

Department of Transportation (DOT)

In accordance with DOT

Not regulated.

Transport by sea

Not regulated.

Air transport

Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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15.2. International regulations

CANADA

Isobutene-butene polymer (trade secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Dry lubricant (trade secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Thiadiazole 1 (trade secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Thiadiazole 3 (trade secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Sulfurized diisobutylene (trade secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Thiadiazole 2 (trade secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Petroleum distillates 1 (DMSO < 3%) (trade secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Petroleum distillates 2 (DMSO < 3%) (trade secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Petroleum distillates 3 (DMSO <3%) (trade secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

Isobutene-butene polymer (trade secret)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Dry lubricant (trade secret)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Thiadiazole 1 (trade secret)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Thiadiazole 3 (trade secret)
Not listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on ELINCS (European List of Notified Chemical Substances)
Thiadiazole 2 (trade secret)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Petroleum distillates 1 (DMSO < 3%) (trade secret)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Petroleum distillates 2 (DMSO < 3%) (trade secret)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Petroleum distillates 3 (DMSO <3%) (trade secret)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Isobutene-butene polymer (trade secret)
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)

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Dry lubricant (trade secret)

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)

Thiadiazole 1 (trade secret)

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)

Thiadiazole 3 (trade secret)

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

Thiadiazole 2 (trade secret)

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

Petroleum distillates 1 (DMSO < 3%) (trade secret)

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)

Petroleum distillates 2 (DMSO < 3%) (trade secret)

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

Petroleum distillates 3 (DMSO <3%) (trade secret)

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

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Dry lubricant(trade secret)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

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SECTION 16: Other information

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Revision date : 03/08/2019

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. 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 communication standard.

Other information : None.

Full text of H-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) 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
Asp. Tox. 1	Aspiration hazard, 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
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.
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.

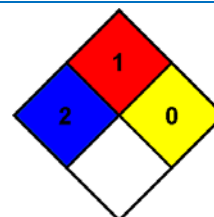
Abbreviations and acronyms:

	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

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.



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Indication of changes:

Composition/information on ingredients.

SDS Prepared by: The Redstone Group
6077 Frantz Rd.
Suite 206
Dublin, OH USA 43016
+1.614.923.7472
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