



Slide Lube Medium

Safety Data Sheet

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

Date of issue: 12/28/2017

Revision date: 04/25/2018

Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Slide Lube Medium

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., Inc.
144 Citation court
Birmingham, AL 35209 - USA
T (205) 945-4991
sllube@stewartlubricants.com - www.stewartlubricants.com

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-US classification

Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1B H317

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

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning

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

Precautionary statements (GHS-US) : P261 - Avoid breathing mist, spray, vapours.
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.
P302+P352 - If on skin: Wash with plenty of soap and 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 hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

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)

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4% 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-US classification
Isobutene-butene polymer	(CAS-No.) 9003-29-6	35 - 55	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(octylidithio)-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 skin thoroughly with mild soap and 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.

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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.
- 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

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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

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	: 129 °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	: No data available
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.

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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.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO₂).

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 ³

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

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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

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

Slide Lube Medium	
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.

Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

Slide Lube Medium	
Bioaccumulative potential	Not established.

Isobutene-butene polymer (9003-29-6)	
Bioaccumulative potential	This product is not bioaccumulating.

sulfurized isobutylene (68511-50-2)	
Log Pow	> 3

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.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
 Not regulated.

Transport by sea

Not regulated.

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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

15.2. International regulations

CANADA

Isobutene-butene polymer (9003-29-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

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

Listed on the Canadian DSL (Domestic Substances List) inventory.

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

Listed on the Canadian DSL (Domestic Substances List) inventory.

sulfurized isobutylene (68511-50-2)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Terpene hydrocarbons (68956-56-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

Isobutene-butene polymer (9003-29-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)

sulfurized isobutylene (68511-50-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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

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

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15.3. US State regulations

No additional information available

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 <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. 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.

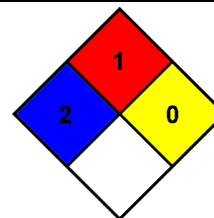
Abbreviations and acronyms:

	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. Classification.

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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