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# **Section 1. Identification**

**Product identifier** 

Product Identity

Other means of identification

Grease Not
Applicable

Relevant identified uses of the substance or mixture and uses advised against

Lubricant

Details of the supplier of the safety data sheet

Company Name Southwestern Petroleum Lubricants LLC

3401 Quorum Drive, Suite 360

Fort Worth, Texas 76137

**Emergency** 

24 hour Emergency

734 930-0009

Telephone No.

Customer Service: Emergency numbers call Chemtrec 24/7 USA and Canada 1-

800-424-9300 or 1-703-527-3887

Section 2. Hazard(s) identification

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Skin sensitizer category 1;H317 May cause an allergic skin reaction.

Label elements



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### Warning

H317 May cause an allergic skin reaction.

## [Prevention]:

P261 Avoid breathing dust, fume, gas, mist, vapors, spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves, eye protection, and face protection.

## [Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P333+313 If skin irritation or a rash occurs: Get medical advice or attention.

P362+364 Take off contaminated clothing and wash it before reuse.

# [Storage]:

No GHS storage statements

#### [Disposal]:

P501 Dispose of contents or container in accordance with local and national regulations.

### Other hazards

This product contains no PBT/vPvB chemicals.

This product contains no endocrine disrupting chemicals.

# Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight	GHS Classification	Notes
	%		



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Ingredient/Chemical Designations	Weight	GHS Classification	Notes
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil- unspecified CAS Number: 64742-52-5 Synonyms: Distillate (petroleum) hydrotreated heavy naphthenic, Polymer Binders and Adhesive		Not Classified	No data available
Distillates (petroleum), hydrotreated light naphthenic CAS Number: 64742-53-6 Synonyms: Distillates (petroleum), hydrotreated light naphthenic; Baseoil-unspecified		Not Classified	No data available
Barium, acetate tallow fatty acids complexes CAS Number: 68201-19-4 Synonyms: Barium, acetate tallow fatty acids complexes	30 - 60		No data available
Molybdenum (iv) sulfide CAS Number: 1317-33-5 Synonyms: Molybdenum sulfide	1 - 5	Not Classified	No data available
Graphite CAS Number: 7782-42-5 Synonyms: Graphite	1 - 5	Not Classified	No data available
Carbamodithioic acid, dibutyl-, methylene ester CAS Number: 10254-57-6 Synonyms: Carbamodithioic acid, dibutyl-, methylene ester	0.5 - 1.5	Not Classified	No data available
1,3,4-thiadiazole, 2,5-bis(octyldithio)- CAS Number: 13539-13-4 Synonyms: 1,3,4-thiadiazole, 2,5-bis(octyldithio)-	0.1 - 1	Skin corrosion/irritation category 2;H315 Skin sensitizer category 1;H317 Acute toxicity(inhalation), category 4;H332 Serious eye damage / eye irritation, category 2;H319	No data available

The actual concentration or concentration range is withheld as a trade secret.

The full texts of the phrases are shown in Section 16.

### Section 4. First aid measures

# **Description of first aid measures**

**General** In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

**Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or

 $<sup>{\</sup>rm *PBT/vPvB-PBT-substance}\ or\ {\rm vPvB-substance}.$ 



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stopped, give artificial respiration. If unconscious, place in the recovery position

and obtain immediate medical attention. Give nothing by mouth.

**Eyes** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids

apart and seek medical attention.

**Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or

use a recognized skin cleanser.

Ingestion DO NOT INDUCE VOMITING! If swallowed, vomiting may occur spontaneously.

If vomiting occurs, keep your head below hips to prevent aspiration into lungs.

Rinse mouth thoroughly. Get medical attention.

### Most important symptoms and effects, both acute and delayed

OverviewIf material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhea. Treat symptomatically. See section 2 for further details.

**Skin** May cause an allergic skin reaction.

### Section 5. Fire-fighting measures

#### **Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray. Unsuitable extinguishing media: Do not use; water jet.

# Special hazards arising from the substance or mixture

Hazardous decomposition: Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

Avoid breathing dust, fume, gas, mist, vapors, spray.



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## **Advice for fire-fighters**

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full-face piece and protective clothing. Persons without respiratory protection should leave the area. Wear SCBA during clean-up immediately after fire. No smoking.

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# Section 6. Accidental release measures

# Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8). Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

## **Environmental precautions**

Do not allow spills to enter drains or waterways.

#### Methods and material for containment and cleaning up

Slippery when spilled. Avoid accidents, clean up immediately. Prevent it from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.

Local authorities should be advised if significant spillages cannot be contained.

#### Section 7. Handling and storage

#### Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Avoid prolonged or repeated contact with skin. Avoid inhaling vapor and/or mist. When handling product in drums, safety footwear should be worn, and proper handling equipment should be used. Properly dispose of any contaminated rags or cleaning



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materials to prevent fires. Keep container tightly closed and in a cool, well-ventilated place. Use properly labeled and closeable containers.

This material has the potential to be a static accumulator. Proper grounding and bonding procedures should be used during all bulk transfer operations.

Use product with caution around heat, sparks, pilot lights, static electricity and open flame.

See section 2 for further details. - [Prevention]:

# Conditions for safe storage, including any incompatibilities

Storage Temperature: -50 - 50C ( -58 - 122F)

For containers or container linings, use mild steel or high density polyethylene.

Do not use PVC.

Incompatible materials: No available information

See section 2 for further details. - [Storage]:

# Specific end use(s)

No available information

### Section 8. Exposure controls / personal protection

# **Control parameters**

# **Exposure**

CAS No.	Ingredient	Source	Value
1317-33-	Molybdenum (iv) sulfide	OSHA	TWA 2.5 mg/m³(as F)
5		ACGIH	TWA 2.5 mg/m³(as F)
		NIOSH	TWA 2.5 mg/m³[*Note: The REL also applies to other
			inorganic, solid fluorides (as F).]
7782-42-	Graphite	OSHA	5 mg/m³(respirable fraction), 15 mg/m³ (total dust), 15 mppcf
5			(natural)
		ACGIH	2 mg/m³(R) Respirable fraction
		NIOSH	TWA 2.5 mg/m³(resp)
10254-	Carbamodithioic acid, dibutyl-, methylene ester	OSHA	No Established Limit
57-6		ACGIH	No Established Limit
		NIOSH	No Established Limit
13539-	1,3,4-thiadiazole, 2,5-bis(octyldithio)-	OSHA	No Established Limit
13-4		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-	Distillates (petroleum), hydrotreated heavy naphthenic;	OSHA	No Established Limit
52-5	Baseoil-unspecified	ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-	Distillates (petroleum), hydrotreated light naphthenic	OSHA	No Established Limit
53-6		ACGIH	No Established Limit



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CAS No.	Ingredient	Source	Value
		NIOSH	No Established Limit
68201-	Barium, acetate tallow fatty acids complexes	OSHA	No Established Limit
19-4		ACGIH	No Established Limit
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m³OSHA PEL and 5 mg/m³ACGIH.

**Exposure** controls

**Respiratory** If workers are exposed to concentrations above the exposure limit they must

use the appropriate, certified respirators.

**Eyes** Protective safety glasses recommended

**Skin** Skin protection is not required under normal conditions of use. Oil

impervious gloves and oil impermeable apron recommended.

**Engineering** Provide adequate ventilation. Where reasonably practicable this should be **Controls** achieved by the use of local exhaust ventilation and good general extraction

achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection

must be worn.

Other Work Use good personal hygiene practices. Wash hands before eating, drinking,

**Practices** smoking or using toilet. Promptly remove soiled clothing and wash

thoroughly before reuse.

See section 2 for further details.

### Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical State Gel

**Color** Brown, Amber

OdorNoneMelting point / freezing point325F

Initial boiling point and boiling range

No available information

Flammability (solid, gas)

No available information

Upper/lower flammability or explosive limits

Lower Explosive Limit:10

Upper Explosive Limit:5



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Flash Point 250 C base oils Open cup

Auto-ignition temperature 320C

**Decomposition temperature**No available information

**pH** Neutral

Viscosity (cSt) No available information

Solubility in Water Insoluble in water

Partition coefficient n-octanol/water (Log Kow)No available informationVapor pressure (Pa)No available information

Relative Density 0.9

Vapor Density No available information

Evaporation rate (Ether = 1) Nil None

#### Other information

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

# Section 10. Stability and reactivity

### Reactivity

Hazardous Polymerization will not occur.

### **Chemical stability**

Stable under normal circumstances.

### Possibility of hazardous reactions

No available information

#### Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

## Incompatible materials

No available information

### **Hazardous decomposition products**

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

### Section 11. Toxicological information



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# **Acute toxicity**

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50,	Skin LD50,	Inhalation	Inhalation	Inhalation
	mg/kg	mg/kg	Vapor LC50, mg/L/4hr	Dust/Mist LC50, mg/L/4hr	Gas LC50, ppm
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified - (64742-52-5)	> 5,000.00, Rat - Category: NA	No data available.	No data available.	5.70, Rat - Category: NA	No data available.
Distillates (petroleum), hydrotreated light naphthenic - (64742-53-6)	> 5,000.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available.	No data available.	No data available.
Barium, acetate tallow fatty acids complexes - (68201-19-4)	No data available.	No data available.	No data available.	No data available.	No data available.
Molybdenum (iv) sulfide - (1317-33-5)	No data available.	No data available.	No data available.	2.82, Rat - Category: 4	No data available.
Graphite - (7782-42-5)	> 2,000.00, Rat - Category: 4	No data available.	No data available.	> 2,000.00, Rat - Category: NA	No data available.
Carbamodithioic acid, dibutyl-, methylene ester - (10254-57-6)	No data available.	No data available.	No data available.	No data available.	No data available.
1,3,4-thiadiazole, 2,5-bis(octyldithio) (13539- 13-4)	No data available.	No data available.	No data available.	No data available.	No data available.

# **Carcinogen Data**

CAS No.	Ingredient	Source	Value
1317-33-5	Molybdenum (iv) sulfide	OSHA	Regulated Carcinogen: No;
		NTP Known: No; Suspected: No;	
		IARC Group 1: No; Group 2a: No; Group 2b: No;	
		Group 3: No;	
		ACGIH	No Established Limit
7782-42-5	Graphite	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;



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CAS No.	Ingredient	Source	Value
		IARC	Group 1: No; Group 2a: No; Group 2b: No;
			Group 3: No;
		ACGIH	No Established Limit
10254-57-	Carbamodithioic acid, dibutyl-, methylene ester	OSHA	Regulated Carcinogen: No;
6		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No;
			Group 3: No;
		ACGIH	No Established Limit
13539-13-	1,3,4-thiadiazole, 2,5-bis(octyldithio)-	OSHA	Regulated Carcinogen: No;
4		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No;
			Group 3: No;
		ACGIH	No Established Limit
64742-52-	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-	OSHA	Regulated Carcinogen: No;
5	unspecified	NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No;
			Group 3: No;
		ACGIH	No Established Limit
64742-53-	Distillates (petroleum), hydrotreated light naphthenic		Regulated Carcinogen: No;
6		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No;
			Group 3: No;
			No Established Limit
68201-19-	Barium, acetate tallow fatty acids complexes	OSHA	Regulated Carcinogen: No;
4		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No;
			Group 3: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)		Not Applicable
Acute toxicity (dermal)		Not Applicable
Acute toxicity (inhalation)		Not Applicable
Skin corrosion/irritation		Not Applicable
Serious eye damage/irritation		Not Applicable
Respiratory sensitization		Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity		Not Applicable
Carcinogenicity		Not Applicable
Reproductive toxicity		Not Applicable
STOT-single exposure		Not Applicable
STOT-repeated exposure		Not Applicable
Aspiration hazard		Not Applicable

Possible routes of entry:

# Symptoms and effects, both acute and delayed::



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If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhea. Treat symptomatically.

**Skin** May cause an allergic skin reaction.

# Section 12. Ecological information

# **Toxicity**

Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected to be harmful: LL/EL/IL50 10-100 mg/l (to aquatic organisms) LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract.

# **Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified - (64742-52-5)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00, Scenedesmus subspicatus
Distillates (petroleum), hydrotreated light naphthenic - (64742-53-6)	No data available.	No data available.	No data available.
Barium, acetate tallow fatty acids complexes - (68201-19-4)	No data available.	No data available.	No data available.
Molybdenum (iv) sulfide - (1317-33-5)	No data available.	No data available.	No data available.
Graphite - (7782-42-5)	100.00, Danio rerio	> 100.00, Daphnia magna	> 100.00, Pseudokirchnerella subcapitata
Carbamodithioic acid, dibutyl-, methylene ester - (10254-57-6)	No data available.	No data available.	No data available.



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Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
1,3,4-thiadiazole, 2,5-bis(octyldithio) (13539-13-4)	No data available.	No data available.	No data available.

# Persistence and degradability

Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

# **Bioaccumulative potential**

Contains components with the potential to bioaccumulate.

# Mobility in soil

Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.

### Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### Other adverse effects

No available information

# Section 13. Disposal considerations

#### Waste treatment methods

Observe all federal, provincial and local regulations when disposing of this substance.

### **Section 14. Transport information**

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	Not Regulated	Not Regulated	Not Regulated
UN proper	Not Regulated	Not Regulated	Not Regulated
shipping name			
Transport hazard	DOT Hazard Class: Not	IMDG:Not Applicable	Air Class:Not
class(es)	Applicable	Sub Class:Not	Applicable
	Sub Class:Not Applicable	Applicable	<b>Sub Class:</b> Not Applicable



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Packing groupNot ApplicableNot ApplicableNot Applicable

# **Environmental hazards**

Marine Pollutant: No;

Special precautions for user

No available information

# **Section 15. Regulatory information**

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only

selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

# **Toxic Substance Control Act (TSCA)**

CAS	Ingredient		Comments	Status
Number		(TSCA)		
0013539-13- 4	1,3,4-thiadiazole, 2,5-bis(octyldithio)-	No		
0068201-19- 4	Barium, acetate tallow fatty acids complexes	No		
0010254-57- 6	Carbamodithioic acid, dibutyl-, methylene ester	Yes	Present	
0000822-27- 5	Dioctyl disulphide	No		
	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil- unspecified	Yes	UVCB	ACTIVE
0064742-53- 6	Distillates (petroleum), hydrotreated light naphthenic	Yes	UVCB	ACTIVE
0007782-42- 5	Graphite	Yes		ACTIVE
0001317-33- 5	Molybdenum (iv) sulfide	Yes	Present	
0009003-27- 4	Polyisobutylene	Yes	XU	

# Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



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# **Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

# **Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

# **Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

#### **Section 16. Other information**

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.



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H332 Harmful if inhaled.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders

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