



## Section 1. Identification

### Product identifier

**Product Identity** 801 Clear Penetrating Lubricant  
**Other means of identification** 801

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

See Technical Data Sheet.

### 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 Telephone No.** 734 930-0009

**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

This SDS is aligned with the Workplace Hazardous Materials Information System (WHMIS) and with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

### Classification of the substance or mixture

Flam. Aerosol 1;H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
Flam. Liq. 3;H226	Flammable liquid and vapor.
Skin Sens. 1;H317	May cause an allergic skin reaction.
Aquatic Acute 3;H402	Harmful to aquatic life.
Aquatic Chronic 3;H412	Harmful to aquatic life with long lasting effects.



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**Label elements**



**Danger**

H222 Extremely flammable aerosol.  
H226 Flammable liquid and vapor.  
H229 Pressurized container: May burst if heated.  
H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

**[Prevention]:**

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.  
P233 Keep container tightly closed.  
P235 Keep cool.  
P240 Ground, bond container and receiving equipment.  
P241 Use explosion-proof electrical, ventilating, light, equipment.  
P242 Use only non-sparking tools.  
P243 Take action to prevent static discharges.  
P261 Avoid breathing dust, fume, gas, mist, vapors, spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, eye protection, and face protection.

**[Response]:**



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P302+352 IF ON SKIN: Wash with plenty of soap and water.  
 P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.  
 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]:**

P403+235 Store in a well-ventilated place. Keep cool.  
 P410+403 Protect from sunlight. Store in a well-ventilated place.

**[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 Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Distillates (petroleum), hydrotreated heavy naphthenic; Base Oil-unspecified CAS Number: 64742-52-5 Synonyms: Distillate (petroleum) hydrotreated heavy naphthenic, Polymer Binders and Adhesive	45 - 70	Not Classified	----
Distillates (petroleum), hydrotreated light CAS Number: 64742-47-8 Synonyms: Distillates (petroleum), hydrotreated light	30 - 60	Asp. Tox. 1;H304	----
Pentyl acetate CAS Number: 628-63-7 Synonyms: n-Amyl acetate	10 - 30	Flam. Liq. 3;H226	----
Carbamodithioic acid, dibutyl-, methylene ester CAS Number: 10254-57-6 Synonyms: Carbamodithioic acid, dibutyl-, methylene ester	3 - 7	Not Classified	----
1,3,4-thiadiazole, 2,5-bis(octylidithio)- CAS Number: 13539-13-4 Synonyms: 1,3,4-thiadiazole, 2,5-bis(octylidithio)-	0.1 - 1	Skin Irrit. 2;H315 Skin Sens. 1;H317 Acute Tox. 4;H332 Eye Irrit. 2;H319	----

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

\*PBT/vPvB - PBT-substance or vPvB-substance.

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 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** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

**Overview** Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents more than the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. 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: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.  
Keep away from heat, sparks, open flames, and other ignition sources - No smoking.  
Keep container tightly closed.  
Keep cool.  
Ground, bond container and receiving equipment.  
Use explosion-proof electrical, ventilating, light, equipment.  
Use only non-sparking tools.  
Take action to prevent static discharges.  
Avoid breathing dust, fume, gas, mist, vapors, spray.

### 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 area. Wear SCBA during clean-up immediately after fire. No smoking.

## 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**

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

**Section 7. Handling and storage**

**Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.  
See section 2 for further details. - [Prevention]:

**Conditions for safe storage, including any incompatibilities**

Incompatible materials: Strong oxidizing agents and acids.  
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
628-63-7	Pentyl acetate	ACGIH	50 ppm 100 ppm
		Alberta	50 ppm TWA; 266 mg/m <sup>3</sup> TWA 100 ppm STEL; 532 mg/m <sup>3</sup> STEL
		British Columbia	50 ppm TWA (listed under Pentyl acetate, all isomers) 100 ppm STEL (listed under Pentyl acetate, all isomers)
		Manitoba	50 ppm TWA (listed under Pentyl acetate, all isomers) 100 ppm STEL (listed under Pentyl acetate, all isomers)
		New Brunswick	100 ppm TWA; 532 mg/m <sup>3</sup> TWA
		Newfoundland and	50 ppm TWA (listed under Pentyl acetate, all isomers) 100 ppm STEL



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CAS No.	Ingredient	Source	Value
		Labrador	(listed under Pentyl acetate, all isomers)
		Nova Scotia	50 ppm TWA (listed under Pentyl acetate, all isomers) 100 ppm STEL (listed under Pentyl acetate, all isomers)
		Northwest Territories	50 ppm TWA (listed under Pentyl acetate, all isomers) 100 ppm STEL (listed under Pentyl acetate, all isomers)
		Nunavut	50 ppm TWA (listed under Pentyl acetate, all isomers) 100 ppm STEL (listed under Pentyl acetate, all isomers)
		Ontario	50 ppm TWA (listed under Pentyl acetate, all isomers) 100 ppm STEL (listed under Pentyl acetate, all isomers)
		Prince Edward Island	50 ppm TWA (listed under Pentyl acetate, all isomers) 100 ppm STEL (listed under Pentyl acetate, all isomers)
		Quebec	50 ppm TWAEV (listed under Pentyl acetates); 266 mg/m <sup>3</sup> TWAEV (listed under Pentyl acetates) 100 ppm STEV (Listed Under Pentyl acetates); 532 mg/m <sup>3</sup> STEV (Listed Under Pentyl acetates)
		Saskatchewan	50 ppm TWA (listed under Pentyl acetate, all isomers) 100 ppm STEL (listed under Pentyl acetate, all isomers)
		Yukon	100 ppm TWA; 525 mg/m <sup>3</sup> TWA 150 ppm STEL; 780 mg/m <sup>3</sup> STEL
10254-57-6	Carbamodithioic acid, dibutyl-, methylene ester	ACGIH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
Yukon	No Established Limit		
13539-13-4	1,3,4-thiadiazole, 2,5-bis(octyldithio)-	ACGIH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
Yukon	No Established Limit		
64742-47-8	Distillates (petroleum), hydrotreated light	ACGIH	No Established Limit
		Alberta	No Established Limit
		British Columbia	200 mg/m <sup>3</sup> TWA (application restricted to conditions with negligible aerosol exposures)
		Manitoba	No Established Limit



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CAS No.	Ingredient	Source	Value
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic; Base Oil- unspecified	ACGIH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup>OSHA PEL and 5 mg/m<sup>3</sup>ACGIH.

**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** Avoid skin contact. Protective gloves recommended.

**Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved using 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 Practices** Use good personal hygiene practices. Wash hands before eating, drinking, 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

<b>Physical State</b>	Pressurized aerosol dispensed as a mist.
<b>Color</b>	Oily, Clear to yellow
<b>Odour</b>	Pleasant
<b>Melting point / freezing point</b>	No available information
<b>Initial boiling point and boiling range</b>	ASTM D 2882
<b>Flammability (solid, gas)</b>	No available information
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> 1.1 <b>Upper Explosive Limit:</b> 7.5
<b>Flash Point</b>	°F °C, Test method: (Close cup)
<b>Auto-ignition temperature</b>	240C
<b>Decomposition temperature</b>	No available information
<b>pH</b>	No available information
<b>Viscosity (cSt)</b>	No available information
<b>Solubility in Water</b>	Non-Emulsifier
<b>Partition coefficient n-octanol/water (Log Kow)</b>	No available information
<b>Vapor pressure (Pa)</b>	4
<b>Relative Density</b>	0.9
<b>Vapor Density</b>	4.5
<b>Evaporation rate (Ether = 1)</b>	0.5

### 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



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Stable under normal circumstances.

**Possibility of hazardous reactions**

No available information

**Conditions to avoid**

Excessive heat and open flame.

**Incompatible materials**

Strong oxidizing agents and acids.

**Hazardous decomposition products**

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

**Section 11. Toxicological information**

**Acute toxicity**

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

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, mg/kg	Skin LD50, mg/kg	Inhalation vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Distillates (petroleum), hydrotreated heavy naphthenic; Base Oil-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 - (64742-47-8)	> 5,000.00, Rat -	>2,000.00, Rabbit -	No data	No data	No data



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Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
	Category: NA	Category: 5	available.	available.	available.
Pentyl acetate - (628-63-7)	7,400.00, Rat - Category: NA	No data available.	No data available.	No data available.	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
628-63-7	Pentyl acetate	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
10254-57-6	Carbamodithioic acid, dibutyl-, methylene ester	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
13539-13-4	1,3,4-thiadiazole, 2,5-bis(octyldithio)-	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
64742-47-8	Distillates (petroleum), hydrotreated light	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic; Base Oil-unspecified	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: 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



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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:**

Treat symptomatically.

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

**Section 12. Ecological information**

**Toxicity**

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

Harmful to aquatic life.

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Distillates (petroleum), hydrotreated heavy naphthenic; Base Oil-unspecified - (64742-52-5)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00, Scenedesmus subspicatus
Distillates (petroleum), hydrotreated light - (64742-47-8)	20.00, Oncorhynchus mykiss	1.40, Daphnia magna	8.30, Pseudokirchneriella subcapitata
Pentyl acetate - (628-63-7)	65.00, Gambusia affinis	No data available.	No data available.
Carbamodithioic acid, dibutyl-, methylene ester - (10254-57-6)	No data available.	No data available.	No data available.
1,3,4-thiadiazole, 2,5-bis(octylidithio)- - (13539-13-4)	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

**Persistence and degradability**

There is no data available on the preparation itself.

**Bioaccumulative potential**

No available information

**Mobility in soil**

No available information

**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**

Classification Method: Classified as per Part 2, Sections 2.1-2.8 of the Transportation of Dangerous Goods Regulations.

	<b>TDG (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>UN number</b>	UN1950	UN1950	UN1950
<b>UN proper shipping name</b>	UN1950, Aerosols, Limited Quantity, 2.1, NA	Aerosols, Limited Quantity	Aerosols, Limited Quantity
<b>Transport hazard class(es)</b>	<b>TDG Hazard Class:</b> 2.1 <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> 2.1 <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> 2.1 <b>Sub Class:</b> Not Applicable
<b>Packing group</b>	Not Applicable	Not Applicable	Not Applicable

**Environmental hazards**



Marine Pollutant: No;

**Special precautions for user**

No available information

**Section 15. Regulatory information**

This product has been classified in accordance with the hazard criteria Hazardous Products Regulations (SOR/2015-17 amended 2022-12-15) and the SDS contains all of the information required by those regulations.

**Canadian Domestic Substance List (DSL):**

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

Carbamodithioic acid, dibutyl-, methylene ester

Distillates (petroleum), hydrotreated heavy naphthenic; Base Oil-unspecified

Distillates (petroleum), hydrotreated light

Pentyl acetate

**Canadian Non-Domestic Substance List (NDSL):**

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

**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



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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:

H226 Flammable liquid and vapor.

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.

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

**End of Document**