



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

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

Flammable Aerosol, category 1;H222 H229	Extremely flammable aerosol. Pressurized container: May burst if heated.
Flammable Liquid, category 3;H226	Flammable liquid and vapor.
Skin sensitizer category 1;H317	May cause an allergic skin reaction.
Aquatic toxicity (acute), category 3;H402	Harmful to aquatic life.
Aquatic toxicity (chronic), category 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]:

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



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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 OSHA’s Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

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	45 - 70	Not Classified	No data available
Distillates (petroleum), hydrotreated light CAS Number: 64742-47-8 Synonyms: Distillates (petroleum), hydrotreated light	30 - 60	Aspiration hazard, category 1;H304	No data available
Pentyl acetate CAS Number: 628-63-7 Synonyms: n-Amyl acetate	10 - 30	Flammable Liquid, category 3;H226	No data available
Carbamodithioic acid, dibutyl-, methylene ester CAS Number: 10254-57-6 Synonyms: Carbamodithioic acid, dibutyl-, methylene ester	3 - 7	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



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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, CO₂, 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.

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Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures



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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
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CAS No.	Ingredient	Source	Value
628-63-7	Pentyl acetate	OSHA	100 ppm, 525 mg/m ³
		ACGIH	50 ppm 100 ppm
		NIOSH	TWA 100 ppm (525 mg/m ³)
10254-57-6	Carbamodithioic acid, dibutyl-, methylene ester	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
13539-13-4	1,3,4-thiadiazole, 2,5-bis(octyldithio)-	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-47-8	Distillates (petroleum), hydrotreated light	OSHA	500 ppm, 2000 mg/m ³
		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified	OSHA	No Established Limit
		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 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

Physical State Pressurized aerosol dispensed as a mist.
Color Oily, Clear to yellow



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Odor	Pleasant
Melting point / freezing point	No available information
Initial boiling point and boiling range	ASTM D 2882
Flammability (solid, gas)	No available information
Upper/lower flammability or explosive limits	Lower Explosive Limit: 1.1 Upper Explosive Limit: 7.5
Flash Point	°F °C, Test method: (Close cup)
Auto-ignition temperature	240C
Decomposition temperature	No available information
pH	No available information
Viscosity (cSt)	No available information
Solubility in Water	Non-Emulsifier
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapor pressure (Pa)	4
Relative Density	0.9
Vapor Density	4.5
Evaporation rate (Ether = 1)	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

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 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.

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; 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 - (64742-47-8)	> 5,000.00, Rat - Category: NA	>2,000.00, Rabbit - Category: 5	No data available.	No data available.	No data 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(octyl)dithio)- - (13539-13-4)	No data available.	No data available.	No data available.	No data available.	No data available.



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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

Carcinogen Data

CAS No.	Ingredient	Source	Value
628-63-7	Pentyl acetate	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
10254-57-6	Carbamodithioic acid, dibutyl-, methylene ester	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
13539-13-4	1,3,4-thiadiazole, 2,5-bis(octyldithio)-	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
64742-47-8	Distillates (petroleum), hydrotreated light	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
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified	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

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



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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; Baseoil-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.

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

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

Environmental hazards

Marine Pollutant: No;

Special precautions for user

No available information

Section 15. Regulatory information



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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 Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0013539-13-4	1,3,4-thiadiazole, 2,5-bis(octyldithio)-	No		
0010254-57-6	Carbamodithioic acid, dibutyl-, methylene ester	Yes	Present	
0000822-27-5	Diocetyl disulphide	No		
0064742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil- unspecified	Yes	UVCB	ACTIVE
0064742-47-8	Distillates (petroleum), hydrotreated light	Yes	Present	
0000628-63-7	Pentyl acetate	Yes		ACTIVE

Proposition 65 - Carcinogens (>0.0%):

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

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:

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

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