



# Safety Data Sheet

Prepared according to US 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)  
and Canadian 2015 Workplace Hazardous Materials Information System (WHMIS)

Revision Date 23-Jul-2020

Revision Number 4

## 1. IDENTIFICATION

**Product Identifier**  
**Product Name** SWEPCO 812 Moly Dry Lube (Bulk)

**Other means of identification**  
**Product Code** W30910B

**UN-No** None  
**Synonyms**

### Recommended use of the chemical and restrictions on use

**Recommended Use** Lubricant  
**Uses advised against** Any non-label use

### Details of the supplier of the safety data sheet

Southwestern Petroleum Corporation	Southwestern Petroleum Corporation
534 North Main St	534 North Main St
Fort Worth, TX 76106 USA	Fort Worth, TX 76106 USA
Phone: 1-800-877-9372	Phone: 1-800-877-9372
Web: www.swepcousa.com	Web: www.swepcousa.com

### Emergency Telephone Number

Chemtrec 1-800-424-9300 in US; Canutec 1-613-996-6666 in Canada.

## 2. HAZARDS IDENTIFICATION

### Classification

The ingredients in this product mixture have been evaluated and classified according to the hazard classification requirements of 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and 2015 Canadian WHMIS Standard. The resulting hazard classification(s) and required label elements are reported in this section.

Serious eye damage/eye irritation	Category 1

### Label elements

**Product Name** SWEPCO 812 Moly Dry Lube (Bulk)

**Signal Word** Warning

**Hazard statements** Causes serious eye irritation.

Physical Hazards

Pictograms

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing mist, vapors or spray. Use only outdoors or in a well-ventilated area. Keep dry.

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Precautionary Statements - Disposal**

Dispose of container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC)**

No other information available.

**Other Information****Unknown acute toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

Chemical Family

Chemical Family.

Chemical Name	CAS-No	Weight %	Trade Secret
Molybdenum Disulfide	1313-33-5	99%	

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

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

**Symptoms** No other information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Foam. Dry chemical or CO<sub>2</sub>. Cool containers with flooding quantities of water until well after fire is out.

**Unsuitable Extinguishing Media** Do not scatter spilled material with high pressure water streams.

**Specific Hazards Arising from the Chemical**

No other information available.

**Hazardous Combustion Products**

Hydrocarbons. Carbon monoxide. Hydrogen sulfide (H<sub>2</sub>S) may be produced above 250° F (121° C).

**Explosion Data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Protective Equipment and Precautions for Firefighters**

Wear self-contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Remove all sources of ignition.

**Environmental Precautions**

See Section 12 for additional Ecological information.

**Methods and material for containment and cleaning up**

Prevent further leakage or spillage if safe to do so. Use inert absorbent materials to confine spills and absorb spill.

Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**Incompatible Materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

Exposure limits of this complete mixture have not been evaluated. If information is available on any of the individual components of the mixture, it is presented in the table below. Keep in mind, however, that these exposure levels are for pure concentrations of

these ingredients. If no table appears below, none of the components represent a hazard or occupational exposure limits have not been established or occupational exposure limits are not known for any of the ingredients in this product:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
		3	

### Appropriate engineering controls

Use in well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m<sup>3</sup>; ACGIH TLV STEL: 10 mg/m<sup>3</sup>; OSHA PEL TWA: 5 mg/m<sup>3</sup>).

### Individual protection measures, such as personal protective equipment

<b>Eye/face Protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Suitable protective clothing.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Solid powder
<b>Color</b>	Light grey
<b>Odor</b>	None
<b>Odor Threshold</b>	No other information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No other information available	
<b>Melting point / freezing point</b>	No other information available	
<b>Boiling Point/Range</b>	N/A	
<b>Flash Point</b>	>700F	
<b>Evaporation Rate</b>	No other information available	
<b>Flammability (solid, gas)</b>	No other information available	
<b>Flammability Limit in Air</b>		
Upper flammability limit:		
Lower flammability limit:		
<b>Vapor pressure</b>	No other information available	
<b>Vapor Density</b>		
<b>Relative density</b>	1.0	
<b>Water Solubility</b>	No other information available	
<b>Solubility in other solvents</b>	No other information available	
<b>Partition coefficient</b>	No other information available	
<b>Autoignition Temperature</b>	1120 °C	
<b>Decomposition temperature</b>		
<b>Kinematic viscosity @40C</b>	No other information available	
<b>Dynamic viscosity</b>	No other information available	
<b>Explosive Properties</b>	No other information available	
<b>Oxidizing Properties</b>	No other information available	

### Other Information

<b>Softening Point</b>	No other information available
<b>Molecular Weight</b>	No other information available
<b>Volatiles, % Vol</b>	0
<b>Density</b>	No other information available
<b>Bulk Density</b>	No other information available

## 10. STABILITY AND REACTIVITY

### Reactivity

None under normal use conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal use conditions.

Hazardous polymerization does not occur.

### Conditions to Avoid

Heat, flames and sparks.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Hydrocarbons. Carbon monoxide. Hydrogen sulfide (H<sub>2</sub>S) may be produced above 250° F (121° C).

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principle Routes of Exposure** Skin contact. Eye contact. Inhalation.

**Product Information** Toxicity of this complete mixture has not been evaluated. If information is available on any of the individual components of the mixture, it is presented in this section. If no information appears in this section, there is no toxicological information available for any of the components of the mixture.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50

### Information on toxicological effects

<b>Eye Contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Inhalation</b>	Avoid breathing of vapors or spray mist. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m <sup>3</sup> ; ACGIH TLV STEL: 10 mg/m <sup>3</sup> ; OSHA PEL TWA: 5 mg/m <sup>3</sup> ).
<b>Ingestion</b>	May be harmful if swallowed. Potential for aspiration if swallowed. Not an expected route of exposure. Aspiration may cause pulmonary edema and pneumonitis.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No other information available.
<b>Mutagenic Effects</b>	No other information available.
<b>Carcinogenicity</b>	The table below indicates if any agency has listed any ingredient of this product as a carcinogen. If no table appears, no toxicological information was found.

**Reproductive Effects**  
**STOT - single exposure**  
**STOT - repeated exposure**

No other information available.  
 No other information available.  
 No other information available.

**Chronic Toxicity**

Reports have associated repeated and prolonged occupational overexposure to petroleum based products with liver, kidney, brain and nervous system damage. There is, however, no reported human evidence that these effects occur when exposure is maintained below OSHA and ACGIH limits

**Aspiration hazard** No other information available.

**Numerical measures of toxicity**

If this product has been classified as a toxic mixture and numerical measures of toxicity have been calculated based on chapter 3.1 of the GHS document, that data will appear below. If no toxicity calculations appear below, no data is available.

**ATEmix (oral)**  
**ATEmix (inhalation-dust/mist)**

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

If ecotoxicity data is available on any of the components of this product, the data will be presented in the table below. If there is no table, there is no data available on any of the components of this product.

6.4 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Freshwater Fish	Water Flea
	-		

**Persistence/Degradability** No other information available.

**Bioaccumulative potential** If bioaccumulation data is available on any of the components of this product, the data will be presented in the table below. If there is no table, there is no data available on any of the components of this product.

Chemical Name	Partition coefficient

**Mobility in Environmental Media** If mobility data is available on any of the components of this product, the data will be presented in the table below. If there is no table, there is no data available on any of the components of this product.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste Disposal Method** Dispose of in accordance with Federal, state and local regulations.

**Contaminated Packaging** Do not re-use empty containers.

**US EPA Waste Number** Not applicable

**RCRA** Subtitle C of the Resource Conservation and Recovery Act (RCRA) requires disclosure of any components of this mixture that are defined as hazardous waste by the Act. If any ingredients in this product are considered hazardous waste, they will be listed in the table below. If there is no table, there are no hazardous waste components in this product.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
	-		-	

**California Waste Status**                      If this product contains one or more substances that are listed with the State of California as a hazardous waste, data will be listed in the table below. If there is no table, there is no data available.

Chemical Name	California Hazardous Waste Status

**14. TRANSPORT INFORMATION**

**DOT**

UN-No    None  
 Proper Shipping Name  
 Hazard Class  
 Packing Group  
 Special Provisions  
 Description  
 Emergency Response Guide  
 Number

**TDG**

UN-No    None  
 Proper Shipping Name  
 Hazard Class  
 Packing Group  
 Description

**MEX**

UN-No    None  
 Proper Shipping Name  
 Hazard Class  
 Packing Group  
 Description

**ICAO**

UN-No    None  
 Proper Shipping Name  
 Hazard Class  
 Packing Group  
 Special Provisions  
 Description

**IATA**

UN-No    none  
 Proper Shipping Name  
 Hazard Class  
 Packing Group  
 ERG Code  
 Special Provisions  
 Description

**IMDG/IMO**

UN-No    None  
 Proper Shipping Name  
 Hazard Class  
 Packing Group  
 EmS No.  
 Special Provisions

**Description****RID**

UN-No None  
 Proper Shipping Name  
 Hazard Class  
 Packing Group  
 Classification Code  
 Description

**ADR**

UN-No None  
 Proper Shipping Name  
 Hazard Class  
 Packing Group  
 Classification Code  
 Tunnel restriction code  
 Special Provisions  
 Description  
 ADR/RID-Labels

**ADN**

Proper Shipping Name None  
 Hazard Class  
 Packing Group  
 Classification Code  
 Special Provisions  
 Description  
 Hazard Labels  
 Limited Quantity  
 Ventilation

<b>15. REGULATORY INFORMATION</b>
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**International Regulations & Inventories**

All of the components in the product are on the following Inventory lists: China (IECSC).

Chemical Name	CAS-No	EINECS	ELINCS	TSCA	FIFRA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Molybdenum Disulfide	1313-33-5	X	-	Present	X	X	-	X	X	X	X	X

X = Listed; XU = Exempt; - = Not Listed

**TSCA/FIFRA** Complies  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Complies  
**ENCS** Complies  
**CHINA** Complies  
**KECL** Complies  
**PICCS** Complies  
**AICS** Complies

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) requires reporting of any component of this mixture that is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. If any of the ingredients in this product meet these reporting requirements, they will be listed in the table below. If there is no table, no ingredients of this product meet the reporting requirements.

**Clean Water Act**

The Clean Water Act (40 CFR 22.21 and 40 CFR 122.42) requires reporting of any component of this mixture designated as a regulated pollutant by the Act. If any of the ingredients in this product meet these reporting requirements, they will be listed in the table below. If there is no table, no ingredients of this product meet the reporting requirements.



**CERCLA**

The Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) and the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355) require disclosure of any component of this mixture that meets the reporting requirements of these Acts. If any of the ingredients in this product are regulated by one or both of these Acts, they will be listed in the table below. If there is no table, no ingredients of this product meet the reporting requirements. There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	SARA Hazardous Substance Required Qty
		-	

**U.S. Regulations & Inventories****California Proposition 65**

California Proposition 65 requires disclosure of ingredients of this mixture that are designated as Proposition 65 substances. If any of the ingredients in this product meet these reporting requirements, they will be listed in the table below. If there is no table, no ingredients of this product meet the reporting requirements.

**U.S. State Right-to-Know Regulations**

Several states have "State Right-to-Know" regulations requiring disclosure of specific substances. If any of the ingredients in this product meet these reporting requirements, they will be listed in the table below. If there is no table, no ingredients of this product meet the reporting requirements.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island

**U.S. EPA Label Information**

**EPA Registration Number** Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION****Regulatory Lists Searched & Other Sources of Information**

ACGIH - American Convergence of Governmental Industrial Hygienists  
 ADN - European Agreement for International Carriage of Dangerous Goods by Inland Waterways  
 ADR - European Agreement for International Carriage of Dangerous Goods by Road  
 AICS - Australian Inventory of Chemical Substances  
 ANSI - American National Standards Institute  
 CAP65 - California Proposition 65 Hazard List  
 CAS - Chemical Abstract Services  
 CERCLA - Comprehensive Environmental Response, Compensation & Liability Act  
 CHINA - China Inventory  
 CPR - Canadian Controlled Products Regulations  
 DOT - United States Department of Transportation  
 DSL - Canada Domestic Substances List  
 EINECS - European Union (EU) European Inventory of Existing Commercial Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IARC - International Agency for Research on Cancer  
 IATA - International Air Transport Association  
 ICAO - International Civil Aviation Organization  
 IMDG - International Maritime Dangerous Goods Code  
 MARTK - Massachusetts Right To Know List  
 NDSL - Canada Non-Domestic Substances List  
 NFPA - United States National Fire Protection Association  
 NIOSH - United States National Institute for Occupational Safety & Health  
 NJRTK - New Jersey Right To Know List  
 NTP - United States National Toxicology Program  
 OSHA - United States Occupational Safety & Health Administration  
 PARTK - Pennsylvania Right To Know List  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances

RCRA - United States Resources Conservation & Recovery Act  
RID - European Agreement for International Carriage of Dangerous Goods by Rail  
RIHSL - Rhode Island Hazardous Substance List  
SARA - United States Superfund Amendments & Reauthorization Act  
TDG - Canada Transportation of Dangerous Goods Act  
TSCA - US Toxic Substances Control Act  
WHMIS - Canada Workplace Hazardous Materials Information System

### Definitions

EC50 - Effective Concentration (Concentration of a compound where 50% of the expected effect is observed.)  
LC50 - Lethal Concentration (The concentration in water that will kill 50% of the test animals within a specific period of time, usually 96 hours.)  
LD50 - Lethal Dose (The single dose that will kill 50% of the test animals by any route other than inhalation such as by ingestion or skin contact.)  
OEL - Occupational Exposure Limit  
PEL - Permissible Exposure Limits  
STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
TWA - Time Weighted Average  
TWAEV - Time Weighted Average Exposure Value

**Prepared By** Regulatory Compliance Department

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

**End of SDS**