



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 20-May-2015

Revision Number 1

1. IDENTIFICATION

Product Identifier

Product Name SWEPCO 101 Moly Grease

Other means of identification

Product Code W20055

Synonyms None

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 Canada Ltd
534 North Main St	87 West Drive
Fort Worth, TX 76106 USA	Brampton, ON L6T 2J6 USA
Phone: 1-800-877-9372	Phone: 905-457-0511
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.

Label elements

Product Name SWEPCO 101 Moly Grease

Signal Word None

Hazard statements None.

Pictograms

Hazards not otherwise classified (HNOC) None known based upon available information.

Other Information

Other hazards None known based upon available information.

Unknown acute toxicity 5.64% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Mixture**

Chemical Family

Petroleum hydrocarbon.

Chemical Name	CAS-No	Weight %	Trade Secret
Graphite	7782-42-5	0 - 10%	*

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

4. FIRST AID MEASURES**Description of first aid measures**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Skin Contact	Wash off with warm water and soap. In the case of skin irritation or allergic reactions see a physician. Remove and wash contaminated clothing before re-use.
Inhalation	First aid is not required.
Ingestion	Clean mouth with water and afterwards drink plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms	No other information available.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**Foam. Dry chemical or CO₂. 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 (H₂S) 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.

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
Graphite 7782-42-5	TWA: 2 mg/m ³	TWA: 15 mg/m ³ TWA: 5 mg/m ³	1250 mg/m ³

Appropriate engineering controls

None Required.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side-shields.

Skin and body protection Suitable protective clothing.

Respiratory Protection 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**

Physical State Grease
Color Grey
Odor Petroleum distillates
Odor Threshold No other information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No other information available	
Melting point / freezing point	No other information available	
Boiling Point/Range	No other information available	
Flash Point	179 °C	
Evaporation Rate	No other information available	
Flammability (solid, gas)	No other information available	
Flammability Limit in Air		
Upper flammability limit:	7.0	
Lower flammability limit:	0.9	
Vapor pressure	No other information available	
Vapor Density	>5	
Relative density	0.9	
Water Solubility	No other information available	
Solubility in other solvents	No other information available	
Partition coefficient	No other information available	
Autoignition Temperature	260 °C	
Decomposition temperature		
Kinematic viscosity @40C	No other information available	
Dynamic viscosity	No other information available	
Explosive Properties	No other information available	
Oxidizing Properties	No other information available	

Other Information

Softening Point	No other information available
Molecular Weight	No other information available
Volatiles, % Vol	1.8
Density	No other information available
Bulk Density	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 (H₂S) 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.
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.

Information on toxicological effects

Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Inhalation	None known.
Ingestion	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

Sensitization	No other information available.
Mutagenic Effects	No other information available.
Carcinogenicity	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	No other information available.
STOT - single exposure	No other information available.
STOT - repeated exposure	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

ATEmix (oral)	38,191.00
ATEmix (inhalation-dust/mist)	188.00

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.

22.48 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

<u>Persistence/Degradability</u>	No other information available.
<u>Bioaccumulation/ Accumulation</u>	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.
<u>Mobility in Environmental Media</u>	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.
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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.
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.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION

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
Graphite	7782-42-5	X	-	Present	X	X	-	X	-	X	X	KE-18101 X

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

TSCA/FIFRA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Complies
ENCS	Does not Comply
CHINA	Complies
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

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.

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
Graphite 7782-42-5	X	X	X	-	X

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 Conference 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