



SAFETY DATA SHEET

According to EC Directive 1272/2008/EC

Revision Date 26-Jun-2014

Revision Number 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name	SWEPCO 102 Organic Moly Grease
Product Code	W20050
Chemical Family	Petroleum hydrocarbon
Recommended Use	Lubricant
Supplier Address	N. V. Southwestern Petroleum Europe S. A., Industrieweg 6, B-2390 Oostmalle, Belgium Southwestern Petroleum Corporation, 534 North Main St, Fort Worth, TX 76106 USA 817-332-2336 www.swepcousa.com
Emergency Telephone Number	+ 323-312-3141 (Answered 8am-5pm)
UN-No	None

2. HAZARDS IDENTIFICATION

The product is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s)	Not dangerous
R -phrase(s)	
Emergency Overview	Not expected to present a significant health hazard upon short term exposure. May cause skin irritation and/or dermatitis. May be harmful if swallowed. Product is combustible but will not readily ignite.
Principle Routes of Exposure	Skin contact. Eye contact.
Acute Health Effects	
Skin	Avoid prolonged and/or repeated contact with skin. Prolonged and/or repeated contact with this material may produce skin irritation or inflammation. Personnel with pre-existing skin disorders should avoid contact with this product.
Eyes	Contact with eyes may cause irritation.
Inhalation	None known.
Ingestion	Ingestion is not considered a likely route of exposure. Low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury and possibly death.

Carcinogenic Effects	Carcinogenic effect of the complete mixture has not been evaluated. Information on individual ingredients which may have carcinogenic effects, if any, will be found in Section 2 & 11.
Chronic Health Effects	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 recommended exposure limits

3. COMPOSITION/INFORMATION ON INGREDIENTS

If any of the components of this product are defined as hazardous and are present at 1% or more (0.1% or more for carcinogens) they will be listed in this section. If no components appear in this section, no components of the product meet or exceed the reporting requirements.

Hazardous Components

Chemical Name	CAS-No	EINECS	Weight %	Classification*
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	265-157-1	20 - 30	-

* IMPORTANT NOTE: While this product contains base oil stocks which are generally classed as carcinogenics in the EU, the European Commission has stipulated that the classification of base oil stocks used in this product need not be identified as carcinogenic if the base oil stock has less than 3% DMSO extract as measured by IP 346. (See Note L, European Commission Directive 67/548/EEC as amended and adapted.) None of the base oils used in this product contain DMSO in a concentration of 3% or more; nor are they considered carcinogenic by the International Agency for Research on Cancer (IARC).

For the full text of any R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	First aid is not required.
Ingestion	Consult a physician or Poison Control Center immediately. Do not induce vomiting without medical advice.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Combustible material: may burn but does not ignite readily.
Suitable Extinguishing Media	Water spray or fog, dry chemical, carbon dioxide (CO ₂) or foam. Cool containers with flooding quantities of water until well after fire is out
Hazardous Combustion Products	Hydrogen sulfide (H ₂ S) may be produced above 250° F (121° C).

Specific Hazards Arising from the Chemical	Keep product and empty container away from heat and sources of ignition.
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin, eyes and clothing.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-up	Take up mechanically and collect in suitable container for disposal.
Other Information	Report spills as required to the appropriate authorities.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice.
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits If there are exposure limits set for any components of this product, they will be listed below. Keep in mind, however, that these exposure levels are for pure concentrations of these ingredients:

Occupational exposure controls

Engineering Controls	Use in well-ventilated area. If user operations generate mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below TLV TWA and TLV STEL.
Eye/face Protection	Safety glasses with side-shields.
Skin Protection	Use protective gloves and clothing if contact with product is likely.
Hand Protection	Protective gloves
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. If personal exposure levels cannot be maintained below recommended exposure limits or if product is applied by spraying, approved respiratory protection should be worn.

General Hygiene Considerations When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

Environmental exposure controls Do not allow material to enter drains or contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey	Odor	Petroleum distillates
Physical State	Grease	pH	No data available
Flash Point	179 °C	Autoignition Temperature	> 260 °C
Boiling Point/Range	Not applicable	Melting Point/Range	Not applicable
Flammability Limits in Air, %		Lower 0.9	Upper 7.0
Specific Gravity (Water=1)	0.9	Solubility In Water	No data available
Evaporation Rate	No data available	Vapor Pressure	No data available
Vapor Density (Air=1)	>5	Volatiles, % Vol	<2.3
Viscosity	No data available	Partition Coefficient (n-octanol/water)	No data available

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to Avoid	Keep away from open flames, hot surfaces and sources of ignition.

Materials to avoid Strong oxidizing agents.

Hazardous Decomposition Products Hydrocarbons. Carbon monoxide. Hydrogen sulfide (H₂S) may be produced above 250° F (121° C).

Possibility of Hazardous Reactions Hazardous polymerization does not occur

11. TOXICOLOGICAL 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.

Acute Toxicity The table below indicates toxicological information for specific ingredients at concentrations indicated. If no table appears, no toxicological information was found

Chemical Name	EINECS	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated heavy paraffinic	265-157-1	2000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h

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 recommended exposure limits

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. If no table appears, no toxicological information was found

* IMPORTANT NOTE: While this product contains base oil stocks which are generally classed as carcinogenics in the EU, the European Commission has stipulated that the classification of base oil stocks used in this product need not be identified as carcinogenic if the base oil stock has less than 3% DMSO extract as measured by IP 346. (See Note L, European Commission Directive 67/548/EEC as amended and adapted.) None of the base oils used in this product contain DMSO in a concentration of 3% or more; nor are they considered carcinogenic by the International Agency for Research on Cancer (IARC).

Sensitization No information available.

Neurological Effects No information available.

Mutagenic Effects No information available.

Reproductive Effects No information available.

Developmental Effects No information available.

Target Organ Effects No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Ecotoxicity and biodegradability of this complete mixture have not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water and should not be considered readily biodegradable. 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 ecotoxicity or biodegradability information available for any of the components of the mixture.
Mobility	No information available
Persistence/Degradability	No information available.
Bioaccumulative Potential	No information available

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products	Dispose of in accordance with local regulations
Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal.
EWC waste disposal No	No information available
Other Information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated

15. REGULATORY INFORMATION

The product is classified as dangerous in accordance with Directive 1999/45/EC

Labelling

Symbol(s)	Not dangerous
R -phrase(s)	
S -phrase(s)	

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R45 - May cause cancer

Regulatory Lists Searched & Other Sources of Information

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
CAS - Chemical Abstract Services
EINECS - European Union (EU) European Inventory of Existing Commercial 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
NIOSH - United States National Institute for Occupational Safety & Health
RID - European Agreement for International Carriage of Dangerous Goods by Rail

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 Safety Data Sheet