



Material Safety Data Sheet

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1). Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) standards.

Revision Date 15-Nov-2012

Revision Number 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SWEPCO 803 Chain & Cable Lube (Bulk)
Product Code W30901B

Chemical Family Chemical Family
Recommended Use Lubricant

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

Emergency Telephone Number Chemtrec 1-800-424-9300 in US; Canutec 1-613-996-6666 in Canada.
UN-No UN1993

2. HAZARDS IDENTIFICATION

CAUTION!
Emergency Overview Combustible liquid. Irritating to eyes. Irritating to skin. May be harmful if swallowed.



NFPA				
Health	1	Flammability	2	Instability
				0

WHMIS B3 - Combustible Liquid (37.8°C/100°F-93.3°C/200°F), D2B - Other Toxic

Appearance	Dark grey	Physical State	Liquid	Odor	Solvent
Principle Routes of Exposure					

Acute Health Effects

Skin Avoid contact with skin. May cause irritation.

Eyes Contact with eyes may cause irritation.

Inhalation 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/m³; ACGIH TLV STEL: 10 mg/m³; OSHA PEL TWA: 5 mg/m³).

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 3 & 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 OSHA and ACGIH limits

Aggravated Medical Conditions No information available.

See Section 11 for additional toxicological information.

See Section 12 for ecological information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

If any of the components of this product are defined as hazardous by OSHA Hazard Communication Standard 1910.1200 and are present at 1% or more (0.1% or more for carcinogens) or are considered hazardous components according to Canadian WHIMIS standards, 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.

Component	CAS-No	EINECS	Weight %	IARC	OSHA	NTP Carc	WHMIS
Barium dinonylnaphthalenesu lfonate 25619-56-1 (1 - 9.99)	25619-56-1	247-132-7	1 - 9.99	-	-	-	B4 (pyrophoric powder); B6 (including pyrophoric powder); D2B (including pyrophoric powder)

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation Move to fresh air.

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	Flammable liquid.
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	No information available.
Specific Hazards Arising from the Chemical	Keep product and empty container away from heat and sources of ignition.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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. Dike far ahead of liquid spill for later disposal.
Methods for Clean-up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
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 Guidelines The table below lists known exposure levels for any components of this product which are considered hazardous. Keep in mind, however, that these exposure levels are for pure concentrations of these ingredients. If no table appears below, occupational exposure limits have not been established or are not known for any of the ingredients in this product:

Chemical Name	ACGIH TLV	OSHA PEL	Quebec OEL	Ontario TWAEV	EU OEL
Barium dinonylnaphthalenesulfonate	TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³		

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 ³ ; ACGIH TLV STEL: 10 mg/m ³ ; OSHA PEL TWA: 5 mg/m ³).
Eye/face Protection	Safety glasses with side-shields.
Skin Protection	Use protective gloves and clothing if contact with product is likely.
Respiratory Protection	If personal exposure levels cannot be maintained below accepted exposure limits or if irritation is experienced, NIOSH/MSHA 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark grey	Odor	Solvent
Physical State	Liquid	pH	No data available
Flash Point	40.6 °C	Autoignition Temperature	>
282		°C	
Boiling Point/Range	> 148 °C	Melting Point/Range	No data available
Flammability Limits in Air, %		Lower 1 Upper 6	
Specific Gravity (Water=1)	0.89	Solubility In Water	Insoluble
Vapor Density (Air=1)	4.8	Volatiles, % Vol	14.4%

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Keep away from open flames, hot surfaces and sources of ignition.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Hydrogen sulfide (H ₂ S) may be produced above 250° F (121° C).
Hazardous Polymerization	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.

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.

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

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.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of contents/container in accordance with local regulation.

Chemical Name	California Hazardous Waste Status
Barium dinonylnaphthalenesulfonate	Toxic; Ignitable

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Flammable liquids, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group III
Description Flammable liquids, n.o.s.(Petroleum distillates, hydrotreated heavy naphthenic,Solvent naphtha (petroleum), medium aliphatic),3 UN1993,PG III

TDG

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993

Packing Group III
Description FLAMMABLE LIQUID, N.O.S.(Petroleum distillates, hydrotreated heavy naphthenic,Solvent naphtha (petroleum), medium aliphatic), 3,UN1993,PG III

MEX

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 4.2
UN-No UN1993
Packing Group III
Description UN1993 Flammable liquid, n.o.s.(Petroleum distillates, hydrotreated heavy naphthenic,Solvent naphtha (petroleum), medium aliphatic),4.2,III

ICAO

UN-No UN1993
Proper Shipping Name Flammable liquid, n.o.s.*
Hazard Class 3
Packing Group III
Description Flammable liquid, n.o.s.*(Petroleum distillates, hydrotreated heavy naphthenic,Solvent naphtha (petroleum), medium aliphatic),3,UN1993,PG III

IATA

UN-No UN1993
Proper Shipping Name Flammable liquid, n.o.s.*
Hazard Class 3
Packing Group III
ERG Code 3L
Description UN1993,Flammable liquid, n.o.s.*(Petroleum distillates, hydrotreated heavy naphthenic,Solvent naphtha (petroleum), medium aliphatic),3,PG III

IMDG/IMO

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group III
EmS No. F-E, _S-E_
Description UN1993, Flammable liquid, n.o.s.(Petroleum distillates, hydrotreated heavy naphthenic,Solvent naphtha (petroleum), medium aliphatic),3,PG III

RID

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group III
Classification Code F1
Description UN1993 Flammable liquid, n.o.s.(Petroleum distillates, hydrotreated heavy naphthenic,Solvent naphtha (petroleum), medium aliphatic),3,III,RID
ADR/RID-Labels 3

ADR

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group III
Classification Code F1

Description UN1993 Flammable liquid, n.o.s.(Petroleum distillates, hydrotreated heavy naphthenic,Solvent naphtha (petroleum), medium aliphatic),3,III,ADR
ADR/RID-Labels 3

ADN

Proper Shipping Name Liquide inflammable, N.S.A.
Hazard Class 3
UN-No UN1993
Packing Group III

15. REGULATORY INFORMATION

U.S. Regulations & Inventories The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	CAS-No	TSCA	TSCA 12(b)	CERCLA/SARA 313 (de minimis concentration)	SARA Hazardous Substance Required Qty
Barium dinonylnaphthalenesulfonate	25619-56-1	Present	-	-	-

U.S. State Right-to-Know Regulations The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	Calif. Prop. 65	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Barium dinonylnaphthalenesulfonate		X	X	X	X

Canada Regulations & Inventories The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	CAS-No	DSL	NDSL	WHMIS
Barium dinonylnaphthalenesulfonate	25619-56-1	X	-	B4 (pyrophoric powder); B6 (including pyrophoric powder); D2B (including pyrophoric powder)

This product has been classified in accordance with the hazard criteria of the Candian CPR (Controlled Products Regulations) and the MSDS contains all the information required by the CPR.

International Regulations & Inventories The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	EINECS	AICS	CHINA	ENCS	PICCS
Barium dinonylnaphthalenesulfonate	247-132-7	X	X	X	X

16. OTHER INFORMATION

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

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End of MSDS