SAFETY DATA SHEET

According to EC Directive 1272/2008/EC

Revision Date 15-Nov-2012 **Revision Number** 2

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

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

Chemical Family Chemical Family
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 UN1993

2. HAZARDS IDENTIFICATION

The product is classified and labelled in accordance with EC Regulation 1272/2008 as amended by EU 286/2011.

Category of Danger Flammable, Toxic Contains Cetyl alcohol, Petroleum distillates, hydrotreated heavy naphthenic, Solvent naphtha (petroleum), medium aliphatic, Barium dinonylnaphthalenesulfonate

Classification R10 - T;R25 - Xn;R20/21 - Xn;R65

Symbol(s) T - Toxic
R -phrase(s) Flammable
Toxic if swallowed
Harmful: may cause lung damage if swallowed Harmful by inhalation and in contact with skin

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

Principle Routes of Exposure Skin contact. Eye contact.

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 mist at airborne levels above TLV TWA: 5 mg/m^3; TLV STEL: 10 mg/m^3.

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*
1-Octadecanol	112-92-5	204-017-6	1 - 5	-
Barium dinonylnaphthalenesulfonate	25619-56-1	247-132-7	1 - 5	Xn; R20/22
Cetyl alcohol	36653-82-4	253-149-0	1 - 5	-
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	265-191-7	10 - 20	Xn; R65

* 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 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 (CO2) or foam. Cool containers with flooding quantities of water until well after fire is out
Hazardous Combustion Products	Hydrogen sulfide (H2S) 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. 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 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:

Chemical Name	EU OEL	United Kingdom	France	Spain	Germany
Barium dinonylnaphthalenesulfonate			VME: 0.5 mg/m^3	VLA-ED: 0.5	MAK: 0.5 mg/m^3 Peak: 1 mg/m^3
Chemical Name	**Italy**	**Portugal**	**Netherlands**	**Finland**	**Austria**
Barium dinonylnaphthalenesulfonate		TWA: 0.5 mg/m^3	MAC: 0.5 mg/m^3	TWA: 0.5 mg/m^3	STEL: 2 MAK: 0.5
Stoddard solvent		TWA: 100 ppm	MAC: 100 ppm MAC: 575 mg/m^3		
Chemical Name	**Switzerland**	**Poland**	**Norway**	**Ireland**	**Denmark**
Barium dinonylnaphthalenesulfonate	STEL: 1 MAK: 0.5		TWA: 0.5 mg/m^3	TWA: 0.5 mg/m^3	TWA: 0.5 mg/m^3
Stoddard solvent		NDSCh: 900 mg/m^3 NDS: 300 mg/m^3		TWA: 100 ppm TWA: 573 mg/m^3 STEL: 125 ppm STEL: 720 mg/m^3	TWA: 145 mg/m^3 TWA: 25 ppm

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	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**	No data available
Evaporation Rate	No data available	**Vapor Pressure**	No data available
Vapor Density (Air=1)	4.8	**Volatiles, % Vol**	14.4%
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	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
1-Octadecanol	204-017-6	2510 mg/kg (Rat)		
Barium dinonylnaphthalenesulfonate	247-132-7			
Cetyl alcohol	253-149-0	5 g/kg (Rat)	2600 mg/kg (Rabbit)	
Petroleum distillates, solvent-refined heavy paraffinic	265-090-8	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h
Distillates (petroleum), solvent refined light naphthenic	265-098-1	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h
Solvent naphtha (petroleum), medium aliphatic	265-191-7	5000 mg/kg (Rat)	3000 mg/kg (Rabbit)	5.28 mg/L (Rat) 4 h
Stoddard solvent	232-489-3			
Petroleum distillates, hydrotreated heavy naphthenic	265-155-0	5000 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

Chemical Name	IARC	EU Carc*
Stoddard solvent		Category 2

* 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.

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea	IMDG Marine Pollutant
1-Octadecanol	EC50 = 235 mg/L 96 h			EC50 = 1666 mg/L 48 h	

Mobility No information available

Chemical Name	log Pow
1-Octadecanol	7.19

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

IMDG/IMO

- **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), medium aliphatic),3,PG III

RID

- **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), 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), medium aliphatic),3,III,ADR
ADR/RID-Labels	3

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), medium aliphatic),3,UN1993,PG III

IATA

UN-No	UN1993
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), medium aliphatic),3,PG III

15. REGULATORY INFORMATION

The product is classified and labelled in accordance with EC Regulation 1272/2008 as amended by EU 286/2011

Labelling

Contains Cetyl alcohol, Petroleum distillates, hydrotreated heavy naphthenic, Solvent naphtha (petroleum), medium aliphatic, Barium dinonylnaphthalenesulfonate

Symbol(s) T - Toxic

R -phrase(s)

R10 - Flammable
R25 - Toxic if swallowed
R65 - Harmful: may cause lung damage if swallowed
R20/21 - Harmful by inhalation and in contact with skin

S -phrase(s)

S36 - Wear suitable protective clothing
S37 - Wear suitable gloves
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R28 - Very toxic if swallowed
R21 - Harmful in contact with skin
R20 - Harmful by inhalation
R65 - Harmful: may cause lung damage if swallowed
R10 - Flammable
R25 - Toxic if swallowed

R20/22 - Harmful by inhalation and if swallowed
R20/21 - Harmful by inhalation and in contact with skin

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