

# SAFETY DATA SHEET

## 1. Identification of the hazardous chemical and of the supplier

**Product identifier:** STABYLAN CL 518 AEROSOL

**Other means of identification:** No data available.

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

**Recommended use:** Lubricant

**Recommended restrictions:** Industrial use only

**Manufacturer/Importer/Distributor Information**

### Manufacturer

Company Name: Fuchs Lubricants Co.  
Address: 17050 Lathrop Avenue  
Harvey, Illinois 60426  
Telephone: 708-333-8900  
Fax: 708-333-9180

Contact Person: EHS Department  
E-mail: sds@fuchs.com

**Emergency telephone number:** 708-333-8900 (Bus. hrs) 800-255-3924 (24 hrs)

## 2. Hazard(s) identification

### Hazard Classification

#### Physical Hazards

Flammable aerosol	Category 1
Gases under pressure	Compressed gas

#### Health Hazards

Acute toxicity (Oral)	Category 5
Acute toxicity (Dermal)	Category 5
Toxic to reproduction	Category 2

#### Unknown toxicity - Health

Acute toxicity, oral	19.59 %
Acute toxicity, dermal	19.75 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	26.65 %

### Environmental Hazards

Acute hazards to the aquatic environment	Category 3
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#### Unknown toxicity - Environment

Acute hazards to the aquatic environment	91.65 %
Chronic hazards to the aquatic environment	100 %

#### Label Elements

##### Hazard Symbol:



##### Signal Word:

Danger

##### Hazard Statement:

H222: Extremely flammable aerosol.  
H280: Contains gas under pressure; may explode if heated.  
H303+H313: May be harmful if swallowed or in contact with skin.  
H361: Suspected of damaging fertility or the unborn child.  
H402: Harmful to aquatic life.

##### Precautionary Statements

##### Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P251: Do not pierce or burn, even after use.  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### Response:

P312: Call a POISON CENTER/doctor if you feel unwell.  
P308+P313: IF exposed or concerned: Get medical advice/attention.

##### Storage:

P405: Store locked up.  
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.  
P403: Store in a well-ventilated place.

##### Disposal:

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

### 3. Composition/information on ingredients

## Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Polyol Ester	Trade Secret	60 - 80%
Liquefied Petroleum Gas	68476-86-8	10 - 25%
N-phenyl tetramethylbutyl naphthylamine	Trade Secret	3 - 7%
Octylated diphenylamines	Trade Secret	1 - 5%
Phosphate ester	Trade Secret	1 - 5%
Triphenyl phosphate	115-86-6	0.1 - 1%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Trade secret information:** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

**Inhalation:** Move to fresh air. Call a POISON CENTER/doctor if you feel unwell.

**Skin Contact:** Remove contaminated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention.

**Eye contact:** Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.

**Ingestion:** Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.

### Most important symptoms/effects, acute and delayed

**Symptoms:** No data available.

**Hazards:** No data available.

### Indication of immediate medical attention and special treatment needed

**Treatment:** Get medical attention if symptoms occur.

## 5. Fire-fighting measures

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk. Stop flow of gas.

## Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Water spray, fog, CO<sub>2</sub>, dry chemical, or regular foam. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Vapors may travel considerable distance to a source of ignition and flash back. Pressurized container may explode when exposed to heat or flame.

## Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

**For non-emergency personnel:** No data available.

**For emergency responders:** No data available.

**Methods and material for containment and cleaning up:** Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk.

**Environmental Precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

## 7. Handling and storage

**Precautions for safe handling:** Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Do not expose to intense heat as product may expand and pressurize container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

**Conditions for safe storage, including any incompatibilities:** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Protect from sunlight. Store in a cool place. Store locked up.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Triphenyl phosphate	VLE-PPT	3 mg/m <sup>3</sup>	Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014)

**Appropriate Engineering Controls** No data available.

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

**General information:** Use personal protective equipment as required.

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

#### Skin Protection

**Hand Protection:** No data available.

**Other:** Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

## 9. Physical and chemical properties

### Appearance

**Physical state:** liquid

**Form:** Aerosols

**Color:** No data available.

**Odor:** No data available.

**Odor threshold:** No data available.

**pH:** No data available.

**Melting point/freezing point:** No data available.

**Initial boiling point and boiling range:** No data available.

**Flash Point:** < 0 °C

**Evaporation rate:** No data available.

**Flammability (solid, gas):** Extremely flammable aerosol.

**Upper/lower limit on flammability or explosive limits**

<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper (%):</b>	No data available.
<b>Explosive limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Relative density:</b>	0.887
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	Not reactive during normal use.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	None under normal conditions.
<b>Conditions to avoid:</b>	Keep away from open flame and sources of ignition. Contents under pressure. Do not puncture. Avoid heat or contamination.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
<b>Skin Contact:</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact:</b>	Eye contact is possible and should be avoided.
<b>Ingestion:</b>	May be ingested by accident. Ingestion may cause irritation and malaise.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

#### Information on toxicological effects

##### Acute toxicity (list all possible routes of exposure)

<b>Oral</b>	
<b>Product:</b>	ATEmix (): 2000 - 5000 mg/kg
<b>Dermal</b>	
<b>Product:</b>	ATEmix (): 2000 - 5000 mg/kg
<b>Inhalation</b>	
<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s):</b>	
Polyol Ester	LC 50 (Rat): > 5.1 mg/l
Octylated diphenylamines	LC 50 (Rat): > 5.8 mg/l
Phosphate ester	LC 50 (Rat): > 2 mg/l LC 50 (Rat): > 200 mg/l
Triphenyl phosphate	LC 50 (Rat): > 200 mg/l

##### Repeated dose toxicity

<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
Phosphate ester	LOAEL : > 11 mg/kg

##### Skin Corrosion/Irritation

<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
Polyol Ester	in vivo (Rabbit): Not irritant Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study
Octylated diphenylamines	in vivo (Rabbit): Slightly irritating Experimental result, Key study
Phosphate ester	in vivo (Rabbit): Not irritant Experimental result, Weight of Evidence study
Triphenyl phosphate	in vivo (Rabbit): Not irritant Experimental result, Key study

##### Serious Eye Damage/Eye Irritation

**Product:** No data available.  
**Specified substance(s):**

Octylated  
diphenylamines Rabbit, 1 - 168 hrs: Not irritating EU

Phosphate ester Rabbit, 7 d: Not irritating EU

#### Respiratory or Skin Sensitization

**Product:** No data available.

**Specified substance(s):**

Octylated  
diphenylamines Skin sensitization:, in vivo (Guinea pig):  
Did not cause sensitization on laboratory animals.

#### Carcinogenicity

**Product:** No data available.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

#### Germ Cell Mutagenicity

**In vitro  
Product:** No data available.

**In vivo  
Product:** No data available.

#### Reproductive toxicity

**Product:** Suspected of damaging fertility or the unborn child.

#### Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

#### Specific Target Organ Toxicity - Repeated Exposure

**Product:** No data available.

#### Aspiration Hazard

**Product:** No data available.

**Other effects:** No data available.

## 12. Ecological information

#### Ecotoxicity:

##### Acute hazards to the aquatic environment:

## Fish

**Product:** No data available.

### Specified substance(s):

N-phenyl  
tetramethylbutyl naphthya  
mine

LC 50 (Brachydanio rerio (zebra fish), 96 h): 100 mg/l

Phosphate ester

LC 50 (Oncorhynchus mykiss, 96 h): 1.6 mg/l

LC 50 (Pimephales promelas, 96 h): 10.8 mg/l

Triphenyl phosphate

LC 50 (Rainbow trout, donaldson trout (Oncorhynchus mykiss), 24 h): 0.5 - 0.78 mg/l Mortality

LC 50 (Medaka, high-eyes (Oryzias latipes), 48 h): 1.6 mg/l Mortality

LC 50 (Rainbow trout, donaldson trout (Oncorhynchus mykiss), 96 h): 0.3 mg/l Mortality

## Aquatic Invertebrates

**Product:** No data available.

### Specified substance(s):

N-phenyl  
tetramethylbutyl naphthya  
mine

EC50 (Daphnia, 48 h): 100 mg/l

Octylated  
diphenylamines

EC50 (Water Flea, 48 h): 51 mg/l

Phosphate ester

EC50 (Daphnia magna, 48 h): 2.44 mg/l

Triphenyl phosphate

EC50 (Water flea (Daphnia magna), 48 h): 0.86 - 1.2 mg/l Intoxication

LC 50 (Water flea (Daphnia magna), 48 h): 1 mg/l Mortality

LC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.18 - < 0.32 mg/l Mortality

## Chronic hazards to the aquatic environment:

### Fish

**Product:** No data available.

### Aquatic Invertebrates

**Product:** No data available.

### Specified substance(s):

Octylated  
diphenylamines

EC50 (Water Flea, 48 d): > 51 mg/l

### Toxicity to Aquatic Plants

**Product:** No data available.

### Specified substance(s):

N-phenyl  
tetramethylbutyl naphthya  
mine

EC50 (Algae, algal mat (Algae), 72 h): 100 mg/l

Octylated  
diphenylamines

EC50 (Algae (Pseudokirchneriella subcapitata), 72 h): > 100 mg/l

## Persistence and Degradability

### Biodegradation

**Product:**

No data available.

### BOD/COD Ratio

**Product:**

No data available.

## Bioaccumulative potential

### Bioconcentration Factor (BCF)

**Product:**

No data available.

### Specified substance(s):

Triphenyl phosphate

Medaka, high-eyes (Oryzias latipes), Bioconcentration Factor (BCF): 250 - 500 (Static)  
Goldfish (Carassius auratus), Bioconcentration Factor (BCF): 110 - 150 (Static)  
Rainbow trout, donaldson trout (Oncorhynchus mykiss), Bioconcentration Factor (BCF): 132 - 364 (Flow through)  
Medaka, high-eyes (Oryzias latipes), Bioconcentration Factor (BCF): 61 - 144 (Flow through)  
Rainbow trout, donaldson trout (Oncorhynchus mykiss), Bioconcentration Factor (BCF): 2,590 (Static)

## Partition Coefficient n-octanol / water (log Kow)

**Product:**

No data available.

## Mobility in soil:

No data available.

## Known or predicted distribution to environmental compartments

Polyol Ester

No data available.

Liquefied Petroleum Gas

No data available.

N-phenyl

No data available.

tetramethylbutyl naphthya  
mine

Octylated diphenylamines

No data available.

Phosphate ester

No data available.

Triphenyl phosphate

No data available.

## Other adverse effects:

Harmful to aquatic organisms.

## 13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.

**Contaminated Packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### DOT

UN Number:	UN 1950
Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es):	
Class:	2.1
Label(s):	2.1
Packing Group:	—

### IATA

UN Number:	UN 1950
Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es):	
Class:	2.1
Label(s):	2.1
Packing Group:	—
Passenger and cargo aircraft :	203
Excepted quantity	PIN for exception quantity
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.
Cargo aircraft only:	Allowed. 203

### IMDG

UN Number:	UN 1950
UN Proper Shipping Name:	AEROSOLS
Transport Hazard Class(es)	
Class:	2.1
Label(s):	2.1
EmS No.:	F-D, S-U
Packing Group:	—
Excepted quantity	PIN for exception quantity
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

## 15. Regulatory information

### Safety, health and environmental regulations specific for the product in question

**Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)**

None present or none present in regulated quantities.

**Mexico. Federal Law for the Control of Chemical Substances Susceptible to Diversion to Manufacturing of Chemical Weapons, Appendix 1: National list of chemical substances**

Not applicable

**Mexico. Wastewater Discharges - Maximum Limits into Coastal Waters, Dams, Rivers, Soil and Wetlands (NOM-001-ECOL)**

none

**Mexico. Hazardous Chemicals (NOM-028-STPS-2012, System for administration of workplace safety in the process and critical equipment for handling hazardous chemicals, Appendix A, Table A.I)**

Not applicable

**Mexico. Narcotic Drugs List (General Health Law, Articles 234 & 239, Feb. 7, 1984)**

Not applicable

**Mexico. Psychotropic Drugs (General Health Law, Feb. 7, 1984, Articles 245 & 254 Bis)**

Not applicable

## 16. Other information, including date of preparation or last revision

**Issue Date:** 10/09/2019

**Revision Information:** 10/09/2019: ARGHS\_MX

**Version #:** 1.0

**Further Information:** No data available.

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.