



# SILVER FERN CHEMICAL, INC.

## Safety Data Sheet

### Fernmuls SML

Issuing Date 08-Jan-2018

Revision Date 08-Jan-2018

Revision Number 5

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

**Product identifier**

**Product Name** Fernmuls SML

**Other means of identification**

**Product Code** SML

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

**Details of the supplier of the safety data sheet**

**Distributor**

Silver Fern Chemical, Inc.  
2226 Queen Anne Avenue North, Suite C  
Seattle WA 98109, USA  
Phone: 1-866-282-3384

**Business Contact**

Customer Service: 1-866-282-3384  
info@silverfernchemical.com

**24 Hour Emergency Contacts**

Infotrac 1-800-535-5053 (USA & Canada)  
Outside USA & Canada 1-352-323-3500

#### 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is not hazardous by the 2012 OSHA Hazard Communication Standard.

This is not a hazardous product as defined by the Canadian Workplace Hazardous Materials Information System (WHMIS) 2015.

This is not a dangerous substance or mixture according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**Label Elements**

#### EMERGENCY OVERVIEW

Not Hazardous

**Color** Amber

**Physical State** Viscous liquid

**Odor** Mild

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Sorbitan laurate	1338-39-2	> 99

#### 4. FIRST AID MEASURES

**FIRST AID MEASURES**

<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	IF ON SKIN: Wash with soap and water.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed****Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b><u>Suitable extinguishing media</u></b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Hazardous combustion products</b>	Carbon oxides.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b><u>Protective equipment and precautions for firefighters</u></b>	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, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment.

**Environmental precautions**

**Environmental precautions** Prevent release to surface water.

**Methods and material for containment and cleaning up**

**Methods for Cleaning Up** Absorb with inert material and transfer to containers for disposal.

## 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.

**Incompatible materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Measures** Safety Shower  
Eyewash station  
Ventilation system.

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

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Protective gloves. Long sleeved clothing.  
**Respiratory Protection** Not required under normal conditions.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Viscous liquid		
<b>Appearance</b>	Dark	<b>Odor</b>	Mild
<b>Color</b>	Amber		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>		Not determined
<b>Melting point / freezing point</b>	13 °C / 55 °F	Pour point
<b>Boiling point / boiling range</b>	> 200 °C / > 392 °F	
<b>Flash Point</b>	> 100 °C / > 212 °F	Open cup
<b>Evaporation Rate</b>		Not determined
<b>Flammability (solid, gas)</b>	May burn if exposed to open flames	
<b>Flammability Limit in Air</b>		Not determined
<b>Upper flammability limit</b>		
<b>Lower Flammability Limit</b>		
<b>Vapor pressure</b>	< 1	mm Hg
<b>Vapor Density</b>		Not determined
<b>Specific Gravity</b>	1.0	
<b>Water Solubility</b>	Dispersible	
<b>Solubility in other solvents</b>		Not determined
<b>Partition coefficient</b>		Not determined
<b>Autoignition Temperature</b>		Not determined
<b>Decomposition temperature</b>		Not determined
<b>Kinematic viscosity</b>	4,500 cps @ 25°C	
<b>Dynamic viscosity</b>		Not determined
<b>Explosive Properties</b>	None	
<b>Oxidizing Properties</b>	None	

**Other Information**

## 10. STABILITY AND REACTIVITY

**Reactivity** Not reactive

**Chemical stability** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

<b>Hazardous Reactions</b>	None under normal processing.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight
<b>Incompatible materials</b>	Strong oxidizing agents.

**Hazardous Decomposition Products**

None identified.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on published data for similar substances.
<b>Inhalation</b>	No known hazard.
<b>Eye contact</b>	May cause slight irritation.
<b>Skin contact</b>	Prolonged or repeated contact may dry skin and cause irritation.
<b>Ingestion</b>	May cause gastrointestinal discomfort.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sorbitan laurate 1338-39-2	> 33g/kg (Rat)	.	.

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This substance is not classified as a carcinogen by IARC, OSHA, ACGIH, or NTP.

**Numerical measures of toxicity-Product Information** Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Sorbitan laurate 1338-39-2		LC50= 75 mg/L Salmo gairdneri 96 h		

**Persistence and degradability**

Biodegradability 60% in 28 days (OECD 301D).

**Bioaccumulation/Accumulation**

Not expected to be bioaccumulative.

**Mobility**

Not expected to be mobile in the environment.

#### Other Adverse Effects

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

<b>Waste Disposal Method</b>	Dispose of in accordance with applicable regulations.
<b>Contaminated Packaging</b>	Dispose of in accordance with applicable regulations.

### 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG / IMO</u></b>	Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

<b>TSCA</b>	Complies This product may also be described as: Sorbitan monococoate, CAS 68154-36-9
<b>DSL</b>	Complies
<b>EINECS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

#### Legend

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

#### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### **SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No

**Reactive Hazard**

No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

**Additional information**

LUMISORB SML meets JECFA E493 monograph requirements.

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazard</b> 0	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Physical and Chemical Hazards</b> n/a
<b><u>HMIS</u></b>	<b>Health Hazard</b> 0	<b>Flammability</b> 1	<b>Physical hazards</b> 0	<b>Personal Precautions</b> B
<b>Issuing Date</b>	08-Jan-2018			
<b>Revision Date</b>	08-Jan-2018			
<b>Revision Note</b>				
<b>Reason for Revision</b>	Additional substance identity information (sections 3 and 15)			

**DISCLAIMER OF RESPONSIBILITY**

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.

**End of Safety Data Sheet**