



**SILVER FERN**  
CHEMICAL INC

# Silver Fern Chemical, Inc.

## Safety Data Sheet

VSTEARIN™ SA11 Stearic Acid

Issuing Date 09-Jan-2015

Revision Date 09-Jan-2015

Revision Number 1

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

**Product identifier**

**Product Name** VSTEARIN™ SA11 Stearic Acid

**Other means of identification**

**Product Code** SA11

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

**Recommended Use** Commercial product.

**Uses advised against** None identified

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

**Distributor Address**

Silver Fern Chemical Inc  
2226 Queen Anne Ave N  
Seattle, WA 98109  
1-866-282-3384

**Business Contact**

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

**Emergency Telephone Number**

**24 Hour Contact: Infotrac 1-800-535-5053 (USA & Canada)**

**Outside USA & Canada 1-352-323-3500**

### 2. HAZARDS IDENTIFICATION

**Classification**

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

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		
<b>Appearance</b> Opaque	<b>Physical State</b> Solid	<b>Odor</b> Faint

**Hazards not otherwise classified (HNOC)**

May form explosive dust clouds in air  
Particles in air may cause eye irritation  
Inhalation or ingestion may cause mucous membrane irritation

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Stearic acid	57-11-4	60-100

## 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. If eye irritation persists, consult a specialist.
<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. Call a doctor/physician if exposed or you feel unwell.

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

**Symptoms** None identified.

### 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>	Class ABC/BC fire extinguisher. Dry powder, Foam, Carbon dioxide, Water fog.
<b><u>Unsuitable extinguishing media</u></b>	None identified.
<b><u>Specific hazards arising from the chemical</u></b>	Smoldering can occur in contact with fibrous insulation material. May form explosive dust clouds in air.
<b><u>Hazardous combustion products</u></b>	Carbon oxides. Irritating gases and vapors.
<b><u>Explosion Data</u></b>	
<b><u>Sensitivity to Mechanical Impact</u></b>	Not sensitive.
<b><u>Sensitivity to Static Discharge</u></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** Refer to Section 8.

### Environmental precautions

**Environmental precautions** Do not flush into surface water or sanitary sewer system.

### Methods and material for containment and cleaning up

**Methods for Containment** Cover with plastic sheet to prevent spreading.

**Methods for Cleaning Up** Sweep up and recover or mix material with a moist absorbent and shovel into a chemical waste container. Then wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted wastewater treatment facility.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid contact with eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage** Store in original container.

**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.

**Other Exposure Guidelines** Particulates: OSHA PEL 5 mg/m3.

**Appropriate engineering controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Eyewash stations.

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

**Eye/face Protection** Safety glasses with side-shields.

**Skin and Body Protection** Impervious gloves. Wear personal protective equipment as required.

**Respiratory Protection** Not required under normal use 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>	Solid	<b>Odor</b>	Faint
<b>Appearance</b>	Opaque	<b>Odor threshold</b>	None
<b>Color</b>	White		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>		Not Applicable	
<b>Melting point/freezing point</b>	55 °C / 131 °F	@10 hPa	
<b>Boiling point/boiling range</b>	205-225 °C / 401-437 °F	Open cup	
<b>Flash Point</b>	180 °C / 356 °F	Not determined	
<b>Evaporation Rate</b>		May burn if exposed to open flame.	
<b>Flammability (solid, gas)</b>		Not determined	
<b>Flammability Limits in Air</b>			
<b>Upper flammability limits</b>			
<b>Lower Flammability Limit</b>			
<b>Vapor pressure</b>		Not determined	
<b>Vapor Density</b>		Not determined	
<b>Specific Gravity</b>	-	Not determined	
<b>Water Solubility</b>		Insoluble	
<b>Solubility in other solvents</b>		Soluble in many organic solvents	
<b>Partition coefficient</b>	>3	Estimated	
<b>Autoignition Temperature</b>	350 °C / 662 °F		
<b>Decomposition temperature</b>		Not determined	
<b>Kinematic viscosity</b>		Not determined	
<b>Dynamic viscosity</b>	10@ 65°C mPa s		
<b>Oxidizing Properties</b>	None		

**Other Information**

Density 0.85 g/ml @ 75°C

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**

Avoid dust formation.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Combustion can lead to release of irritating vapors.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

**Inhalation** No known hazard.

**Eye contact** Not irritating to eyes.

**Skin contact** Not irritating to skin.

**Ingestion** No known hazard.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Stearic acid 57-11-4	> 2 g/kg (rat)	n/a	-

**Information on toxicological effects**

**Symptoms** None identified.

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

**Mutagenic Effects** No known hazard.

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

**Reproductive Toxicity** No known hazard.

**STOT - single exposure** No known hazard.

**STOT - repeated exposure** No known hazard.

**Aspiration hazard** No known hazard.

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

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Not toxic to aquatic organisms at maximum water solubility.

### Persistence and degradability

Readily biodegradable: (OECD 301B) (28 days) >70%.

### Mobility

This substance is not likely mobile in the environment due low water solubility.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste Disposal Method** Dispose of in accordance with applicable regulations.

**Contaminated Packaging** Dispose of in accordance with applicable regulations.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IATA** Not regulated

**IMDG / IMO** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<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 Commercial Chemical Substances/EU 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

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	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

## 16. OTHER INFORMATION

<u>NFPA</u>	Health Hazard 1	Flammability 1	Instability 0	Physical and Chemical Hazards n/a
<u>HMIS</u>	Health Hazard 1	Flammability 1	Physical hazards 0	Personal Precautions B

Prepared by Product Steward  
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 Revision Date 09-Jan-2015

Revision Note  
 Update to GHS format

### Disclaimer

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 MSDS**