



# Safety Data Sheet

Issuing Date 08-Aug-2017

Revision Date 08-Aug-2017

Revision Number 2

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

### Product identifier

**Product Name** VSTEARIN™ SA10 Stearic Acid

### Other means of identification

**Product Code** SA10

### 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

**Manufacturer Address** Vantage Oleochemicals, Inc.  
4650 South Racine Avenue  
Chicago, IL 60609 USA  
+1-773-376-9000

### Emergency Telephone Number

**Company Phone Number** +1-773-376-9000

**Emergency Telephone Number** CHEMTREC International +1-703-527-3887

CHEMTREC USA: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is not 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

**Color** White

**Physical State** Solid

**Odor** Faint

**Hazards not otherwise classified (HNOC)** May form explosive dust clouds in air

**OTHER INFORMATION** Avoid dust formation

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Formula # 2

This substance may be described as CAS 61790-38-3; Fatty acids, tallow, hydrogenated for TSCA inventory purposes.

## 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 physician.
<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. Contact 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, Alcohol foam, Carbon dioxide, Water fog.
<b>Unsuitable extinguishing media</b>	None known.
<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>Hazardous combustion products</b>	Carbon oxides. Irritating gases and vapors.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	Not sensitive.
<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** 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 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><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>		Not Applicable
<b>Melting point / freezing point</b>	55 °C / 131 °F	
<b>Boiling point / boiling range</b>	205-225 °C / 401-437 °F	@10 hPa
<b>Flash Point</b>	180 °C / 356 °F	Open cup
<b>Evaporation Rate</b>		Not determined
<b>Flammability (solid, gas)</b>		May burn if exposed to open flame.
<b>Flammability Limit in Air</b>		Not determined
<b>Upper flammability limit</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

**Dynamic viscosity** 10@ 65°C mPa s  
**Oxidizing Properties** None

**Other Information**

**Density** 0.85 g/ml @ 75°C

## 10. STABILITY AND REACTIVITY

**Reactivity** Not reactive  
**Remarks**

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

**Possibility of Hazardous Reactions**

**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.

**Not determined**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Stearic acid 57-11-4	> 2 g/kg (rat)	> 5 g/kg ( Rabbit )	-

**Information on toxicological effects**

**Symptoms** None known.

**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 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**

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**

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

Prepared by Product Steward  
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 Revision Note  
 Reason for Revision Update to hazards not otherwise classified (HNOC). Update to section 3.

**Disclaimer**

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**End of Safety Data Sheet**