



Safety Data Sheet

Issuing Date 07-Aug-2017

Revision Date 07-Aug-2017

Revision Number 2

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

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
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

Eye contact	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.
Skin contact	IF ON SKIN: Wash with soap and water.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	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

<u>Suitable extinguishing media</u>	Class ABC/BC fire extinguisher. Dry powder, Alcohol foam, Carbon dioxide, Water fog.
Unsuitable extinguishing media	None known.
<u>Specific hazards arising from the chemical</u>	Smoldering can occur in contact with fibrous insulation material. May form explosive dust clouds in air.
Hazardous combustion products	Carbon oxides. Irritating gases and vapors.
<u>Explosion Data</u>	
Sensitivity to Mechanical Impact	Not sensitive.
Sensitivity to Static Discharge	None.
<u>Protective equipment and precautions for firefighters</u>	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**

Physical State	Solid	Odor	Faint
Appearance	Opaque	Odor threshold	None
Color	White		

Property	Values	Remarks • Method
pH		Not Applicable
Melting point / freezing point	55 °C / 131 °F	
Boiling point / boiling range	205-225 °C / 401-437 °F	@10 hPa
Flash Point	180 °C / 356 °F	Open cup
Evaporation Rate		Not determined
Flammability (solid, gas)		May burn if exposed to open flame.
Flammability Limit in Air		Not determined
Upper flammability limit		
Lower Flammability Limit		
Vapor pressure		Not determined
Vapor Density		Not determined
Specific Gravity	.	Not determined
Water Solubility		Insoluble
Solubility in other solvents		Soluble in many organic solvents
Partition coefficient	>3	Estimated
Autoignition Temperature	350 °C / 662 °F	
Decomposition temperature		Not determined
Kinematic viscosity		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 Not determined

toxicity-Product Information**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**

TSCA	Complies
DSL	Complies
EINECS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - 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

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

Prepared by Product Steward
 Issuing Date 07-Aug-2017
 Revision Date 07-Aug-2017
 Revision Note
 Reason for Revision Update to hazards not otherwise classified (HNOC). Update to section 3.

Disclaimer

The information in this safety data sheet (SDS) is believed to be accurate and is given in good faith but no representation or warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representation or warranty, express or implied, is made with respect to information or products including without limitation warranties of merchantability or fitness for a particular purpose or non-infringement of any third party patent or other intellectual property rights including without limit copyright, trademark and designs. Any trademarks identified herein are trademarks of Vantage Oleochemicals, Inc.

End of Safety Data Sheet