



Safety Data Sheet

Issuing Date 15-Jan-2019

Revision Date 15-Jan-2019

Revision Number 2

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

Product identifier

Product Name VSTEARIN™ SA05 Stearic Acid

Other means of identification

Product Code SA05

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

Emergency Telephone Number CHEMTREC US: 1-800-424-9300
CHEMTREC International: +1-703-527-3887

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
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	100

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

Suitable extinguishing media Class ABC/BC fire extinguisher. Dry powder, Alcohol foam, Carbon dioxide, Water fog.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical May form explosive dust clouds in air.

Hazardous combustion products Carbon oxides. Irritating gases and vapors.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters 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.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Stearic acid 57-11-4	TWA: 10 mg/m ³ TWA: 3 mg/m ³	n/a	n/a

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 Protective gloves.

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		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH		Not Applicable	
Melting point / freezing point	55 °C / 131 °F	@10 hPa	
Boiling point / boiling range	205-225 °C / 401-437 °F	Open cup	
Flash Point	180 °C / 356 °F	Not determined	
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	Product does not present an acute toxicity hazard based on known or supplied 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	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

Skin corrosion/irritation	No data available.
----------------------------------	--------------------

Serious eye damage/eye irritation	No data available.
--	--------------------

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.

<u>Numerical measures of toxicity-Product Information</u>	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%.

Bioaccumulation/Accumulation

No data available

Mobility

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

Other Adverse Effects

No data available

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

<u>DOT</u>	Not regulated
-------------------	---------------

<u>MEX</u>	Not regulated
-------------------	---------------

<u>IATA</u>	Not regulated
--------------------	---------------

<u>IMDG / IMO</u>	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
 IECS - 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
Issuing Date 15-Jan-2019
Revision Date 15-Jan-2019
Revision Note
Reason for Revision Periodic review and update

Disclaimer

The information and recommendations contained herein are based upon information believed to be reliable. However, Vantage Specialty Ingredients does not guarantee their accuracy or completeness NOR SHALL ANY OF THE INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to confirm to actual conditions of usage may be required. Vantage Specialty Ingredients assumes NO responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of this data. No warranty from infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet