



Safety Data Sheet

Issuing Date 27-Feb-2018

Revision Date 27-Feb-2018

Revision Number 2

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

Product identifier

Product Name VDISTILL™ DT43 Distilled Tallow Fatty Acid

Other means of identification

Product Code DT43

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 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 to

Physical State Solid @ 20°C

Odor Faint

Hazards not otherwise classified (HNOC)

Inhalation or ingestion may cause mucous membrane irritation
May cause eye irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Fatty acids, C14-C18 and C16 -C18 unsaturated	67701-06-8	60 - 100

Formula # 2

This substance may be described as CAS 61790-37-2, Fatty acids-tallow, 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 .

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 @ 20°C	Odor	Faint
Appearance	Opaque	Odor threshold	None
Color	to		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH		Not Applicable	
Melting point / freezing point	40 °C / 104 °F	Atmospheric Pressure (760 mm Hg)	
Boiling point / boiling range	> 200 °C / >392 °F	Open cup	
Flash Point	180 °C / 356 °F	Not determined	
Evaporation Rate		May burn if exposed to open flame.	
Flammability (solid, gas)		Not determined	
Flammability Limit in Air			
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	325 °C / 617 °F		
Decomposition temperature		Not determined	
Kinematic viscosity		Not determined	
Dynamic viscosity		Not determined	
Explosive Properties	None		

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.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Fatty acids, C14-C18 and C16 -C18 unsaturated 67701-06-8	> 5,000 mg/kg (similar material)	-	-

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.

Other Adverse Effects

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
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

<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 Note	
Reason for Revision	Periodic review and update

Disclaimer

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End of Safety Data Sheet

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