



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Stearic Acid 50NF Kosher

Other means of identification:

Product Description: Vegetable-based, non-animal derived Stearic Acid product.
Synonyms: Triple Pressed Stearic Acid FGK, Vegetable-based Stearic Acid, Octadecanoic Acid.

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Per FDA 21CFR - Coatings on fresh citrus fruit, chewing gum base, fatty acids, defoaming agents, adhesives, resinous and polymeric coatings, stearic acid

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Western Reserve Chemical Corporation
Address: 4837 Darrow Road
Stow, OH 44224
USA
General Phone Number: 330 650 2244
General Fax Number: 330 650 2255

Emergency phone number:

Emergency Phone Number: Chemtrec 1 800 424 9300 USA
Website: www.wrchem.com

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Class: Not classified according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

Hazard Statements: May form combustible dust concentrations in air

Hazards not otherwise classified that have been identified during the classification process:

Route of Exposure: Information on likely routes of exposure
Ingestion: Expected to be a low ingestion hazard.
Inhalation :Prolonged inhalation may be harmful. Inhalation of dusts may cause respiratory irritation.
Skin contact :No adverse effects due to skin contact are expected.
Eye contact :Dust in the eyes will cause irritation.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Stearic Acid	57-11-4	42-48 %	
Fatty Acids, C16-18	67701-03-5	52-56 %	
Tetradecanoic Acid	544-63-8	≤1.5 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash

contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

Ingestion: Rinse mouth. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed:

Other First Aid: Indication of Any Immediate Medical Attention and Special Treatment Needed
If medical advice is needed, have product container or label at hand.

Notes : Most important symptoms/effects, acute and delayed: None expected under normal conditions of use.
Contact during a long period may cause slight skin or eye irritation.
May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: t.Use extinguishing media appropriate for surrounding fire. Alcohol foam, carbon dioxide, dry chemical. Sand.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Unusual Fire Hazards: .Not considered flammable but will burn at high temperatures.

Special protective equipment and precautions for fire-fighters:

Protective Equipment: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Fire Fighting Instructions: Use standard firefighting procedures and consider the hazards of other involved materials. May form combustible dust concentrations in air. Isolate fuel supply from fire.

May form combustible dust concentrations in air

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions: Keep unnecessary personnel away.
Use appropriate personal protective equipment (PPE).
Prevent entry into sewers and public waters.
Ventilate area..
For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up:

Methods for containment: Handle in accordance with good industrial hygiene and safety practice.
Clear up spills immediately and dispose of waste safely.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Avoid breathing dust. Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety procedures. Wear recommended personal protective equipment.

Hygiene Practices: * Handle in accordance with good industrial hygiene and safety practice.
Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling.

Conditions for safe storage, including any incompatibilities:

Storage: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from heat and direct sunlight.

Specific end use(s):

Work Practices: Safety showers and eye wash stations should be available.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Individual protection measures:

Eye/Face Protection: Chemical goggles or safety glasses.

Skin Protection Description:	Wear suitable protective clothing.
Hand Protection Description:	Wear appropriate chemical resistant gloves.
Respiratory Protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
Other Protective:	Wear suitable protective clothing.
PPE Pictograms:	



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Solid
Physical State Appearance:	White. Waxy, flakes, beads, powder.
Color:	White
Odor:	No data available.
Odor Threshold:	Not Available
Boiling Point:	Initial boiling point & range: > 572°F (300°C)
Melting Point:	131 - 140°F (55 - 60°C)
Density:	Density at 70 °C: Not available
Specific Gravity:	Not available.
Solubility:	Insoluble in water; soluble in ethanol, ether and most organic solvents
Vapor Density:	Not Available
Vapor Pressure:	Not Available
Evaporation Rate:	Not Available
pH:	Not available.
Viscosity:	8.04 mPa.s @ 65 °C (149 °F)
Coefficient of Water/Oil Distribution:	Partition coefficient n-octanol/water: Not available
Flash Point:	> 392°F (200°C)
Lower Flammable/Explosive Limit:	Not Available
Upper Flammable/Explosive Limit:	Not Available
Auto Ignition Temperature:	No data available

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: No reactivity hazard other than the effects described in sub-sections below.

Chemical Stability:

Chemical Stability: Material is stable under normal conditions.

Possibility of hazardous reactions:

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions To Avoid:

Conditions to Avoid: Direct sunlight. Avoid high temperatures.

Incompatible Materials:

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products:

Special Decomposition Products: Carbon oxides (CO, CO₂).

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Stearic Acid :

Acute Toxicity: Not classified.

Fatty Acids, C16-18 :

Acute Toxicity: LD50 Oral Rat > 5000 mg/kg
LD50 Dermal Rabbit > 2000 mg/kg
LC50 Inhalation Rat (mg/l) > 0.16 mg/l/4h

Tetradecanoic Acid :

Acute Toxicity:	LD50 Oral Rat > 10 g/kg
Eye:	May cause slight irritation to eyes.
Skin:	Contact during a long period may cause slight irritation.
Inhalation:	None expected under normal conditions of use.
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting and diarrhea
Sensitization:	Not classified.
Carcinogenicity:	Not classified.
Mutagenicity:	Not classified.
Reproductive Toxicity:	Not classified.

SECTION 12 : ECOLOGICAL INFORMATIONPersistence and degradability:

Biodegradation: No data is available on the degradability of this product.

Bioaccumulative potential:

Bioaccumulation: Bioconcentration factor (BCF REACH): 225 L/kg.
Bioaccumulative Potential: Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

Mobility in soil:

Mobility In Environmental Media: Mobility in soil :No data available

Stearic Acid :Mobility in soil:

Mobility In Environmental Media: Log Koc: 51.05

Fatty Acids, C16-18 :Ecotoxicity:

Ecotoxicity: LC50 Fish 1 > 10000 mg/l
EC50 Daphnia 1 > 4.8 mg/l
NOEC chronic algae > 0.9 mg/l

Tetradecanoic Acid :Ecotoxicity:

Ecotoxicity: LC50 Fish 1: 118 mg/l (Exposure time: 96 h - Species: Oryzias latipes [static])

Bioaccumulative potential:

Bioaccumulation: Log Pow: 5.9

Notes : Avoid release to the environment.

SECTION 13 : DISPOSAL CONSIDERATIONSDescription of waste:

Waste Disposal: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:	Not regulated for transport
DOT UN Number:	Not Regulated as Dangerous Goods
DOT Pictograms:	
IATA Shipping Name:	Not regulated for transport
IATA UN Number:	Not Regulated as Dangerous Goods
IATA Pictograms:	
Canadian UN Number:	Not Regulated as Dangerous Goods
IMDG UN Number :	Not Regulated as Dangerous Goods
IMDG Shipping Name :	Not regulated for transport

ICAO Shipping Name: Not regulated for transport

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: All components are on the U.S. EPA TSCA Inventory List.

Texas: Stearic acid (57-11-4)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
Tetradecanoic acid (544-63-8)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Personal Protection: F

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	F

SDS Revision Date: July 31, 2017

Notes : Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

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