

SAFETY DATA SHEET

SECTION: 1 PRODUCT and COMPANY IDENTIFICATION

**Product Name:** Stearic Acid - Triple Pressed  
**Synonyms:** Palmitic Acid 55%  
**Country of Origin:** USA  
**Product Use:** Coatings on fresh citrus fruit, chewing gum. Personal Care Products - Emulsifier for Creams and Lotions, and Shaving Cream Formulations  
**CAS No:** 67701-03-5, 57-11-4, 544-63-8  
**Company:** Essential Depot, Inc.  
 2029 US Hwy 27 S  
 Sebring, Florida 33870  
**Phone:** 863-662-0481  
**Emergency Phone:** CHEMTREC, Inside the USA: 1-800-424-9300

SECTION: 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**GHS Classification:** Not classified  
**GHS Label elements, including precautionary statements:** No labeling applicable  
**Other Hazards:** No additional information available  
**Unknown Acute Toxicity (GHS-US):** No data available

SECTION: 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	Cas No	%	Classification
Stearic Acid	57-11-4	32-72	Comb. Dust, H232
Fatty Acids, C16-18	67701-03-5	27-66	Comb. Dust, H232
Tetradecanoic Acid	544-63-8	≤1.5	Eye Irrit. 2A, H319

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SECTION: 4. FIRST AID MEASURES

<b>First-aid Measures General:</b>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
<b>Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Inhalation:</b>	When symptoms occur: go into open air and ventilate suspected area.
<b>Ingestion:</b>	Rinse mouth. Do NOT induce vomiting.
<b>Skin Contact:</b>	Remove contaminated clothing. Drench affected area with water for at least 15 minutes.
<b>Symptoms/Injuries:</b>	None expected under normal conditions of use.
<b>Symptoms/Injuries After Inhalation:</b>	None expected under normal conditions of use.
<b>Symptoms/Injuries After Skin Contact:</b>	Contact during a long period may cause slight irritation.
<b>Symptoms/Injuries After Eye Contact:</b>	May cause slight irritation to eyes
<b>Symptoms/Injuries After Ingestion:</b>	If a large quantity has been ingested: May cause nausea, vomiting, and diarrhea
<b>Medical Attention:</b>	If medical advice is needed, have product container or label at hand.

SECTION: 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use extinguishing media appropriate for surrounding fire. Sand. Carbon dioxide, dry chemical. Do not use water jet.
<b>Special protective equipment and precautions for fire-fighters:</b>	Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. Liquid product may have temperature exceeding 50°C.
<b>Special hazards arising from the substance or its combustible products:</b>	Not considered flammable but will burn at high temperatures. Product is not explosive. Hazardous reactions will not occur under normal conditions.

SECTION: 6. ACCIDENTAL RELEASE MEASURES

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<b>Personal precautions, protective equipment and emergency procedures:</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Non-emergency Personnel:</b>	Use appropriate personal protection equipment (PPE).
<b>Emergency Procedures:</b>	Evacuate unnecessary personnel. Ventilate area.
<b>Protective Equipment:</b>	Equip cleanup crew with proper protection.
<b>Methods and materials for containment and cleaning up:</b>	Contain and collect as any solid. Clean up spills immediately and dispose of waste safely.
<b>Reference to Other Sections:</b>	See heading 8, Exposure Controls and Personal Protection.

SECTION: 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.
<b>Conditions for safe storage, including any incompatibilities:</b>	Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from heat and direct sunlight. Incompatible products are strong oxidizers.
<b>Specific End Use(s):</b>	Per FDA 21CFR: Coatings on fresh citrus fruit, chewing gum. Personal Care Products - Emulsifier for Creams and Lotions, and Shaving Cream Formulations

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Control Parameters:</b>	For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).
<b>Appropriate Engineering Controls:</b>	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

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<b>Personal Protective Equipment:</b>	Gloves, Protective goggles
<b>Eyes:</b>	Chemical goggles or safety glasses.
<b>Skin:</b>	Wear chemically resistant protective gloves
<b>Respiratory:</b>	Wear approved mask.
<b>Other information:</b>	When using, do not eat, drink or smoke.

### SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Solid
<b>Appearance:</b>	white. Waxy. Flakes, beads, powder.
<b>Odor:</b>	No data available
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Relative Evaporation Rate (butylacetate=1)</b>	No data available
<b>Melting Point:</b>	55 - 60 °C (131-140°F) (131 - 140 °F)
<b>Boiling Point:</b>	> 300 °C (572°F) (572 °F)
<b>Flash point:</b>	> 200 °C (392°F) (392 °F)
<b>Auto-Ignition Temperature:</b>	> 250 °C (482°F) (482 °F)
<b>Decomposition Temperature:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Vapor Pressure:</b>	< 1 mm Hg @ 131°C 5.06E-5 hPa @ 250°C
<b>Relative Vapor Density @20°C:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Specific Gravity:</b>	0.85 g/ml @ 75°C
<b>Solubility(ies):</b>	Insoluble in water. Water: Ca. 5E-5 g/L @20°C Ethanol: Soluble. Ether: Soluble. Organic solvent:Soluble

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**Partition Coefficient: N-Octanol/Water:** Not available  
**Log Pow:** 7.05 - 8.23 Based on n-octanol/water segregation coefficient  
**Viscosity:** Not available  
**Viscosity, Dynamic:** 8.04 mPa.s @65°C  
**Explosive Properties:** No data available  
**Oxidizing Properties:** No data available  
**Explosive Limits:** Not applicable

SECTION: 10. STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.  
**Chemical stability:** Stable under normal temperature and pressure.  
**Incompatible materials:** Strong oxidizing agents.  
**Hazardous decomposition products:** Carbon oxides (CO, CO2).  
**Possibility of hazardous reactions:** Hazardous polymerization will not occur.  
**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures.

SECTION: 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Not classified

<b>Triple Pressed Stearic Acid FGK ( f )67701-03-5, 57-11-4, 544-63-8</b>	
<b>Fatty acids, C16-18 (67701-03-5)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat (mg/l)	> 0.16 mg/l/4h
<b>Stearic acid (57-11-4)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
<b>Tetradecanoic acid (544-63-8)</b>	
LD50 Oral Rat	> 10 g/kg

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<b>Skin Corrosion/Irritation:</b>	Not classified
<b>Serious Eye Damage/Irritation:</b>	Not classified
<b>Respiratory or Skin Sensitization:</b>	Not classified
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive Toxicity:</b>	Not classified
<b>Specific Target Organ Toxicity (Single Exposure):</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure):</b>	Not classified
<b>Aspiration Hazard:</b>	Not classified
<b>Symptoms/Injuries After Inhalation:</b>	None expected under normal conditions of use.
<b>Symptoms/Injuries After Skin Contact:</b>	Contact during a long period may cause slight irritation.
<b>Symptoms/Injuries After Eye Contact:</b>	May cause slight irritation to eyes.
<b>Symptoms/Injuries After Ingestion:</b>	If a large quantity has been ingested: May cause nausea, vomiting, and diarrhea.

SECTION: 12. ECOLOGICAL INFORMATION

**Toxicity:**

<b>Fatty acids, C16-18 (67701-03-5)</b>	
LC50 Fish 1	> 10000 mg/l
EC50 Daphnia 1	> 4.8 mg/l
NOEC chronic algae	> 0.9 mg/l
<b>Tetradecanoic acid (544-63-8)</b>	
LC50 Fish 1	118 mg/l (Exposure time: 96 h - Species: Oryzias latipes [static])

**Persistence and Degradability:**

<b>Triple Pressed Stearic Acid FGK (67701-03-5, 57-11-4, 544-63-8)</b>	
Persistence and Degradability	Easily biodegradable.

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**Bioaccumulative Potential:**

<b>Triple Pressed Stearic Acid FGK (67701-03-5, 57-11-4, 544-63-8)</b>	
Log Pow	7.05 - 8.23 Based on n-octanol/water segregation coefficient
Bioaccumulative Potential	Not established.
<b>Tetradecanoic acid (544-63-8)</b>	
Log Pow	5.9

**Mobility in Soil:**

<b>Stearic acid (57-11-4)</b>	
Log Koc	51.05

**Other Information:** Avoid release to the environment.

SECTION: 13. DISPOSAL CONSIDERATION

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

SECTION: 14. TRANSPORT INFORMATION

**UN Number:** Not regulated.

**UN Proper Shipping Name:** Not regulated.

**Transport by Sea:** Not regulated.

**Air Transport:** Not regulated.

SECTION: 15. REGULATORY INFORMATION

**US Federal Regulations**

**Fatty acids, C16-18 (67701-03-5)** Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Stearic acid (57-11-4)** Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Tetradecanoic acid (544-63-8)** Listed on the United States TSCA (Toxic Substances Control Act) inventory

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SECTION: 16. OTHER INFORMATION

**Creation Date:** May 14, 2015

**Revision Date:** June 29,2020

**GHS Full Text Phrases:**

Comb. Dust	Combustible Dust
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H232	May form combustible dust concentrations in air
H319	Causes serious eye irritation

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