



# Safety Data Sheet

## Stearic Acid

05/14/2015

7820 E. Pleasant Valley Road  
Independence, OH 44131  
(800) 359-0944  
[www.elementsbathandbody.com](http://www.elementsbathandbody.com)

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

#### 1.1 Product Identifier

**Product Form:** Mixture

**Product Name:** Stearic Acid

**CAS No:** 67701-03-5, 57-11-4, 544-63-8

**Synonyms:** Palmitic Acid 55%

#### 1.2 Intended Use of the Product

**Use of the substance/mixture:** Per FDA 21CFR: Coatings on fresh citrus fruit, chewing gum. Personal Care Products - Emulsifier for Creams and Lotions, and Shaving Cream Formulations

#### 1.3 Name, Address, and Telephone of the Responsible Party

##### Company

Wholesale Supplies Plus, LLC  
7820 E. Pleasant Valley Road  
Independence, Ohio 44131  
Phone: 1-800-359-0944  
[www.Elementsbathandbody.com](http://www.Elementsbathandbody.com)

#### 1.4 Emergency Telephone Number ChemTel - VelocityEHS

**(800) 255-3924** Domestic USA, Canada, Puerto Rico, and US Virgin Islands  
**+ (813) 248-0585** International

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture

##### Classification (GHS-US)

Not classified

#### 2.2 Label Elements

##### GHS-US Labeling

No labeling applicable

#### 2.3 Other Hazards

No additional information available

#### 2.4 Unknown Acute Toxicity (GHS-US)

No data available

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substance

Not applicable

#### 3.2 Mixture

Name	Product Identifier	%	Classification (GHS-US)
Stearic acid	(CAS No) 57-11-4	32 - 72	Comb. Dust, H232
Fatty acids, C16-18	(CAS No) 67701-03-5	27 - 66	Comb. Dust, H232
Tetradecanoic acid	(CAS No) 544-63-8	<= 1.5	Eye Irrit. 2A, H319

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures after Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**First-aid Measures after Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

**First-aid Measures after Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid Measures after Ingestion:** Rinse mouth. Do NOT induce vomiting.

### 4.2 Most Important Symptoms and Effects, both Acute and Delayed

**Symptoms/Injuries:** None expected under normal conditions of use.

**Symptoms/Injuries after Inhalation:** None expected under normal conditions of use.

**Symptoms/Injuries after Skin Contact:** Contact during a long period may cause slight irritation.

**Symptoms/Injuries after Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries after Ingestion:** If a large quantity has been ingested: May cause nausea, vomiting and diarrhea.

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire. Sand. Carbon dioxide, dry chemical.

**Unsuitable Extinguishing Media:** Do not use water jet.

### 5.2 Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but will burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3 Advice for Firefighters

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection during Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Other Information:** Liquid product may have temperature exceeding 50°C.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Handle in accordance with good industrial hygiene and safety practice.

#### 6.1.1 For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2 For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

### 6.2 Environmental Precautions

Prevent entry to sewers and public waters.

### 6.3 Methods and Material for Containment and Cleaning Up

**For Containment:** Contain and collect as any solid.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely.

### 6.4 Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling

**Hygiene Measures:** 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.

### 7.2 Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** 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:** Strong oxidizers.

### 7.3 Specific End Use(s)

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 / PERSONAL PROTECTION

### 8.1 Control Parameters

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).

### 8.2 Exposure Controls

#### Appropriate Engineering Controls

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.

#### Personal Protective Equipment

Gloves. Protective goggles.



#### Hand Protection

Wear chemically resistant protective gloves.

#### Eye Protection

Chemical goggles or safety glasses.

#### Respiratory Protection

Wear approved mask.

#### Other Information

When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties

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

**9.2 Other Information** No additional information available

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:** Hazardous reactions will not occur under normal conditions.

**10.2 Chemical Stability:** Stable under normal temperature and pressure.

**10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**10.4 Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures.

**10.5 Incompatible Materials:** Strong oxidizers.

**10.6 Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

**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 Dermal Rat	> 5000 mg/kg
LD50 Oral Rat	> 2000 mg/kg
<b>Tetradecanoic acid (544-63-8)</b>	
LD50 Oral Rat	> 10 g/kg

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Not classified

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

<b>Triple Pressed Stearic Acid FGK (67701-03-5, 57-11-4, 544-63-8)</b>
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**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

<b>Triple Pressed Stearic Acid FGK (67701-03-5, 57-11-4, 544-63-8)</b>
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**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries after Inhalation:** None expected under normal conditions of use.

**Symptoms/Injuries after Skin Contact:** Contact during a long period may cause slight irritation.

**Symptoms/Injuries after Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries after Ingestion:** If a large quantity has been ingested: May cause nausea, vomiting and diarrhea.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 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])

**12.2 Persistence and Degradability**

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

**12.3 Bio accumulative Potential**

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

**12.4 Mobility in Soil**

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

**12.5 Other Adverse Effects**

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

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

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

**SECTION 14: TRANSPORT INFORMATION**

In Accordance With ICAO/IATA/IMDG/DOT

**14.1 UN Number:** Not regulated for transport

**14.2 UN Proper Shipping Name:** Not regulated for transport

**14.3 Additional Information**

**Other information:** No supplementary information available.

**Transport by Sea:** Not regulated for transport

**Air Transport:** Not regulated for transport

**SECTION 15: REGULATORY INFORMATION****15.1 US Federal Regulations**

<b>Fatty acids, C16-18 (67701-03-5)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Stearic acid (57-11-4)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Tetradecanoic acid (544-63-8)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**15.2 US State Regulations:** Neither this product nor its chemical components appear on any US state lists.

**SECTION 16: OTHER INFORMATION**

**Revision Date:**

05/14/2015

**Other Information:**

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**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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