

# SAFETY DATA SHEET

## 01. IDENTIFICATION

Name	Stearic acid (Vegetable)
Item Name	Stearic acid Triple Pressed SA-301
Other Name	Octadecanoic acid
Use	-

## 02. HAZARD IDENTIFICATION

Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Potential Chronic Health Effects	Carcinogenic effects: Not available. Mutagenic Effects: Not available. Teratogenic Effects: Not available. Developmental Toxicity: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical composition	Palmitic Acid; Stearic Acid; Myristic Acid; Arachidic Acid
CAS Number	57-10-3; 57-11-4; 544-63-8; 506-30-9
Concentration	54-62%; 38-45%; 1% max; 1% max

## 04. FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Eye contact	Flush eyes with cold water for at least 15 minutes. Do not rub eyes. Seek medical attention if irritation persists.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

## 05. FIRE FIGHTING MEASURES

Extinguishing media	These products are carbon oxides (CO, CO2).
Fire Special Hazards maybe encountered	N/A
Special Firefighting Procedures	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet. When heated to decomposition it emits acrid smoke and irritating fumes. As with most organic solids, fire is possible at elevated temperatures.

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## 06. ACCIDENTAL RELEASE MEASURES

Personal Precautions	N/A
Environmental Issue	N/A
Cleaning Method	<p>Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.</p> <p>Small Spills: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.</p>

## 07. HANDLING & STORAGE

Precautions	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, alkalis.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Other	-

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Control	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill:	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

## 09. PHYSICAL & CHEMICAL PROPERTIES

Appearance(Physical State and Color)	Solid. (Crystalline solid. Powdered solid)
pH(1%) Value	N/A
Boiling Point/Boiling Range	386 °C
Decomposition Temperature	N/A
Density	N/A
Solubility (water)	Easily soluble in diethyl ether. Soluble in acetone. Insoluble in cold water, hot water. Slightly soluble in Ethanol. Soluble in alcohol, chloroform, carbon disulfide, carbon tetrachloride, amyl acetate, toluene. 1 gram

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	dissolves in 21 ml alcohol, 5 ml benzene, 2 ml chloroform, 26 ml acetone, 6 ml carbontetrachloride, 3,4 ml carbon disulfide.
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### 10. STABILITY & REACTIVITY DATA

Stability	Stable under normal Conditions.
Instability Temperature	N/A
Conditions of Instability	Heat, incompatible materials, dust generation, ignition sources.
Incompatibility with various substances	Reactive with oxidizing agents, alkalis.
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	N/A
Special Remarks on Corrosivity	N/A
Polymerization	No

### 11. TOXICOLOGICAL INFORMATION

Acute toxicity	Acute oral toxicity (LD50): 4640 mg/kg (Rat). Acute dermal toxicity (LD50): >5000 mg/kg (Rabbit).
Chronic toxicity	N/A
Local Effect	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Sensitization	N/A
Special Effects	Acute potential health effects: May cause skin irritation. Eyes: May cause eye irritation. Inhalation: May cause respiratory tract irritation. Symptoms may include coughing, sore throat, labored breathing, and chest pain. Ingestion: Ingestion of large oral doses may cause irritation to the gastrointestinal tract. Ingestion may also cause intestinal obstruction.

### 12. ECOLOGICAL INFORMATION

Ecotoxicity	N/A
Degradability	Possibly hazardous short term degradation products are not likely. However, long term degradation may arise.
Bio accumulative potential	The product itself and its products of degradation are not toxic.
Mobility	No data/ information available
Environmental effects	No data/ information available
Other adverse effects	No data/ information available

### 13. DISPOSAL CONSIDERATION

Waste treatment methods	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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### 14. TRANSPORT INFORMATION

ADR (road, directive 94/55/CE)	Not classified
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RID (rail, directive 96/49/CE)	Not classified
IMDG (Sea)	Not classified
ICAO/IATA (Air)	Not classified

### 15. REGULATORY INFORMATION

Applicable Regulations	Occupational Safety and Health Act.
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### 16. OTHER INFORMATION

Additional Information	None
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