

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 PRODUCT DETAILS

- Product Name : TRIPLE PRESSED STEARIC ACID
- Product Uses : Raw material for manufacturing oleo chemical derivatives

### 2. COMPOSITION/ INFORMATION ON INGREDIENT

- General chemical description :  
Palmitic /stearic acid or Hexadecanoic /Octadecanoic Acid ,FORMULA  
C16H32O2+C18H36O2 CAS -Number EINECS-Number  
67701-03-5 266-928-5

### 3. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance
- Odour threshold
- Initial boiling point and boiling range: >300°C @ 760 m HG
- Evaporation rate : not available
- Flammability (solid, gas) : not flammable
- Explosive density : not available
- Solubility : waxy, white crystalline solid
- Solubility : None @ 20 °C
- Odour : slight bland / tallow-like odour
- Ph : not available
- Flash Point : not available
- Flash Point :>200°C( PENSKY -MARTENS CLOSED CUP)
- Auto ignition Temperature, °C : >250°C
- Vapor Pressure : <1.0 mm hg @ 165°C
- Melting Point, °C : 55-60°C
- Density, g/ml at 75°C : 0.85g/ml

### 4. HAZARD IDENTIFICATION

- Product is non -hazardous

## 5. FIRST AID MEASURES

- Ingestion : Remove material from mouth. Drink plenty of water. Get medical Attention if irritation persists.
- Eye contacts : Wash out with water get medical attention if any sensation persists.
- Skin contacts : Wash thoroughly with plenty of water and soap.
- Inhalation : Supply fresh air; consult doctor in case of complaints.

## 6. FIRE FIGHTING MEASURE

- Extinguishing Media : Use jet
- Special Protective Equipment : Wear self-contained breathing apparatus and full protective clothing
- Suitable fire-fighting agents : use dry powder, foam, carbon dioxide
- Specific hazards in the event of fire: combustible, keep away from open flame, no smoking

## 7. ACCIDENTAL RELEASE MEASURE

- Personal Precaution : Use gloves, face shield
- Environmental Precautions : Minimize contamination of drains, surface, and ground water
- Leak/Spill : Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Wash site with sodium bicarbonate solution or ash soda.
- Additional Information : No dangerous substance are released

## 8. HANDLING AND STORAGE

- Handling: use gloves and wear goggles when handling.
- Conditions for safe storage, including any incompatibilities: keep in cool and dry place; avoid extreme heat and cold. avoid direct fire. Keep separate from oxidants. store in clean, dry, preferably stainless steel vessels .in bulk, and store at about 10 deg c above melting point or ambient. temperature higher necessary degrades quality at rate dependent on time and temperature of exposure. exposure to ultraviolet light and sunlight must be minimize to prevent quality loss.

9. **EXPOSURE CONTROL AND PERSONAL PROTECTION**

- Engineering Control measure : Not applicable
- Personal Protection
  - Eye : protective goggles
  - Skin : suitable protective clothing
  - Hand : suitable protective gloves

10. **STABILITY AND REACTIVITY**

- Reactivity: None Known
- Chemical stability: none known
- Possibility of hazardous reactions: none known
- Conditions to avoid: none known
- Incompatible materials: none known
- Hazardous decomposition products: none known

11. **TOXICO LOGICAL INFORMATION**

- Irritation Data
  - Skin, rabbit : Not irritating
  - Eye, rabbit : Not irritating
- Toxicity Data
  - LD 50 oral, rat : not available
- Respiratory od skin sensitization : not available
- Germ cell mutagenicity : not available
- Aspiration hazard : not available

12. **ECOLOGICAL INFORMATION**

- Aquatic Toxicity : acute fish toxicity: LC50 > 1000 mg/l (product)  
Acute bacteria toxicity; EC50 > 1000 mg/l (product)
- Persistence and degradability : readily biodegradable
- Bioaccumulation : Not available
- Mobility in soil : not available



13. **DISPOSAL INFORMATION**

- Disposal Method : Disposal accordance with all applicable national environment Laws and regulations

14. **TRANSPORT INFORMATION**

- Any international and national Regulatory requirements : Not hazardous material according to ADR/RID, IMDG/IMO, IATA/ICAO, UK
- Packaging Information : None
- UN number : none
- UN proper shipping Name : None

15. **REGULATORY INFORMATION**

- EEC Regulations : This product has been classified in accordance with the hazard criteria of the controlled product regulation.
- Inventory Status : TSCA, AICS, DSL, IECSE, EINECS, ENCS, KECI, PICCS
- Others : According to available data, the product is not regulated. However, one should observe prescribed federal, state and local measures while dealing with chemicals.

16. **OTHER INFORMATION**

The data stated herein are based on the test results of similar commercially available product and on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The product is intended for sale to industrial and commercial customer. We requests that customers inspect and test the product before use and satisfy themselves as to the content and suitability.