



TKB TRADING, LLC  
1101 9th Avenue  
Oakland, CA 94606  
Tel: 510-922-9027  
www.tkbtrading.com

## SAFETY DATA SHEET

### 01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE:	Stearic Acid
COMMON NAME / OTHER NAME:	Octadecanoic Acid / Fatty Acid C18
GROUP OF CHEMICALS:	Fatty Acids
SUPPLIER NAME:	TKB Trading, LLC
SUPPLIER ADDRESS:	1101 9th Avenue Oakland, CA, 94606
TELEPHONE NUMBER:	510-922-9027 www.tkbtrading.com

### 02. HAZARDS IDENTIFICATION

Product is non-hazardous.

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION:	Stearic Acid or Octadecanoic Acid,
CHEMICAL FORMULA:	$C_{18}H_{36}O_2$
CAS No:	57-11-4
EINECS No:	200-313-4

### 04. FIRST AID MEASURES

INHALATION:	Sore throat, cough. Remove to fresh air. If suffocation is serious, take to a doctor
SKIN CONTACT:	Redness, pain. Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary
EYE CONTACT:	Redness, pain. Flush with water; take to a doctor if necessary
INGESTION:	Sore throat, abdominal pain. Rinse mouth, drink plenty of water, see physician

### 05. FIRE FIGHTING MEASURES

SUITABLE FIREFIGHTING AGENTS:	Use dry powder, foam, carbon dioxide
EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:	Water jet
SPECIFIC HAZARDS IN THE EVENT OF FIRE:	Combustible, keep away from open flame, no smoking
PROTECTION OF FIRE-FIGHTERS (USE OF PROTECTIVE EQUIPMENT, ETC.):	Use self-contained breathing equipment if in confined place



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## **06. ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:  
ENVIRONMENTAL PRECAUTIONS:  
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Use gloves, face shield  
Do not allow to flow into drainage system.

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 soda ash. Wipe clean. Can also allow spillage to solidify, then shovel into containers. Clean up area immediately.

## **07. HANDLING & STORAGE**

PRECAUTIONS FOR SAFE HANDLING:  
CONDITIONS FOR SAFE STORAGE,  
INCLUDING ANY INCOMPATIBILITIES:

Use gloves and wear goggles when handling.

Keep in a 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, store at about 10 deg C above melting point or ambient. Temperature higher than necessary degrades quality at rate dependent on time and temperature of exposure. Exposure to ultraviolet light and sunlight must be minimized to prevent quality loss.

## **08. EXPOSURE CONTROLS/PERSONAL PROTECTION**

CONTROL PARAMETERS:  
APPROPRIATE ENGINEERING CONTROLS:  
INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE):

None  
No special measures required.

HAND PROTECTION:  
EYE PROTECTION:  
BODY PROTECTION:

Immediately remove soiled or soaked clothing.  
Suitable protective gloves  
Protective goggles  
Suitable protective clothing

## **09. PHYSICAL & CHEMICAL PROPERTIES**

APPEARANCE:  
ODOR:  
ODOR THRESHOLD:  
PH:

Waxy, white crystalline solid  
Slight bland/tallow-like odor  
Not available  
Not available



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MELTING POINT /FREEZING POINT:	69.6 °C
INITIAL BOILING POINT AND BOILING RANGE:	>350 °C @ 760mm Hg
FLASH POINT:	>200 °C (Pensky-Martens closed cup)
EVAPORATION RATE:	Not applicable
FLAMMABILITY (SOLID, GAS):	Not flammable
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not explosive
VAPOR PRESSURE:	<1.0 mm Hg @ 165°C
VAPOR DENSITY:	Not available
RELATIVE DENSITY:	0.94081 @ 20°C
SOLUBILITY:	None @ 20°C
PARTITION COEFFICIENT: N-OCTANOL/WATER:	8.42 (IUCLID)
AUTO-IGNITION TEMPERATURE:	>250 °C
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	11.6 mPa.s @ 70 °C 9.87 mPa.s @ 70 °C (toxnet)
DENSITY @ 75 °C:	0.85 g/ml
RELATIVE MOLECULAR MASS:	256.4

## **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. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY:	Oral (rat): LD50 = 4600mg/kg bw (IUCLID)
SKIN CORROSION/IRRITATION:	
PRIMARY SKIN IRRITATION (RABBIT):	Not available
SERIOUS EYE DAMAGE/IRRITATION:	Not available
RESPIRATORY OR SKIN SENSITIZATION:	Not available
GERM CELL MUTAGENICITY:	Not available
CARCINOGENICITY:	Not available
REPRODUCTIVE TOXICITY:	Not available
STOST-SINGLE / REPEATED EXPOSURE:	Not available
ASPIRATION HAZARD:	Not available

## **12. ECOLOGICAL INFORMATION**

AQUATIC TOXICITY:	
ACUTE FISH TOXICITY:	LC50>100 mg product/l.
ACUTE BACTERIA TOXICITY:	EC50>100 mg product/l.



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PERSISTENCE AND DEGRADABILITY:	Readily biodegradable
BIOACCUMULATIVE POTENTIAL:	Log Pow = 8.42
MOBILITY IN SOIL:	Not available
OTHER ADVERSE EFFECT:	Not available

### **13. DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD:	Waste incineration with the approval of the responsible local authority
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### **14. TRANSPORT INFORMATION**

UN NUMBER:	None
UN PROPER SHIPPING NAME:	None
TRANSPORT HAZARD CLASS:	Not hazardous according to RID/ADR, GGVS/GGVE, ADN, IMDG, ICAO-TI/IATA-DGR
PACKING GROUP:	None
ENVIRONMENTAL HAZARD:	
MARINE POLLUTANT:	No
MARPOL ANNEX II:	Category Y

### **15. REGULATORY INFORMATION**

CLASSIFICATION AND LABELING ACCORDING TO GHS:	None
CLASSIFICATION AND LABELING ACCORDING TO EC:	None

### **16. OTHER INFORMATION**

Always work safely around open hatches on bulk tanks. The low density makes flotation difficult for immersed person. The SDS has been reformatted and updated in accordance to Globally Harmonized System (GHS) guidelines.

Keep away from children and pregnant women.

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although TKB Trading, LLC believes the above information to be accurate based on the information available to TKB Trading, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from TKB Trading, LLC meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to TKB Trading, LLC standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.