

## **SAFETY DATA SHEET**

(Version-1.05, Date of Issue – 18 Feb 2020)

### **SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

#### **1.1. Product Identifier**

Product Name : **Stearic Acid 18-45**  
Product Description : Stearic Acid 45%  
CAS Number : 67701-03-5  
EINECS Number : 266-928-5

#### **1.2. Intended Use of Product**

: Washing & cleaning products, leather treatment products, polymers, pH regulators and water treatment products, textile treatment products and dyes and lubricants and greases.

#### **1.3. Supplier Details**

:

#### **1.4. Emergency Contact**

:

### **SECTION 2: HAZARDS IDENTIFICATION**

#### **2.1. Classification of the Substance or Mixture**

GHS Classification : Not classified

#### **2.2. Label Elements**

Pictogram : Not Applicable

Signal Word : Not Applicable

GHS Hazard Phrases : Not Applicable

GHS Precaution Phrases : Not Applicable

GHS Storage and Disposal Phrases : Refer to Section 7 for Storage and Section 13 for Disposal information

#### **2.3. Other Hazards**

: This substance /mixture contains no components considered to be either persistent, bio cumulative and toxic (PBT) or very persistent and very bio cumulative (vPvB)

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### SECTION 3: COMPOSITION / INFORMATION OF INGREDIENTS

#### 3.1. Substances

Component	CAS Number	EINECS Number	% by wt.
Tetradecanoic acid, C14	544-63-8	205-582-1	3.0 Max
Hexadecanoic acid, C16	57-10-3	200-312-9	52-56
Octadecanoic acid, C18	57-11-4	200-313-4	42-47

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First Aid Measures

Ingestion	: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation	: Move to fresh air immediately. In case of breathing difficulty, try artificial respiration. Get medical attention as soon as possible.
Skin Contact	: Wash material off the skin with plenty of soap and water. Use emollient to cover affected skin. If redness or itching persists, seek medical attention.
Eye Contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately seek medical attention.

**4.2. Most Important Symptoms and Effects, both Acute and Delayed** : Described in Section 11

**4.3. Indication of any immediate medical attention and special treatment needed** : No Data Available

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing Media

- |                 |  |
|-----------------|--|
| a) Suitable     | : Carbon dioxide, dry chemical or foam |
| b) Not Suitable | : Water jet                            |

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- 5.2. Special hazards arising from the substance or mixture** : None
- 5.3. Hazardous Thermal Decomposition** : On decomposition gives CO<sub>2</sub>, CO, hydrocarbons, soot, aldehydes and ketones
- 5.4. Advice for Firefighters** : Wear self-contained breathing apparatus and protective clothing to avoid direct contact with eyes and skin.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1. Personal Precautions, Protective Equipment and Emergency Procedures** : Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.
- 6.2. Environmental Precautions** : Avoid discharge into drains, watercourse or onto the ground.
- 6.3. Methods and material for containment and Cleaning up** : Collect the spillage in the containers and remove to safe place. Can also allow spillage to solidify and then shovel into containers. After collecting the spillage, wash with plenty of water.

### **SECTION 7: HANDLING AND STORAGE**

- 7.1. Precautions for Safe Handling** : Avoid any direct contact with the product. Wash hands with soap and water after handling the material. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
- 7.2. Conditions for Safe Storage, including any incompatibilities** : Store in sealed, airtight containers in a cool, well-ventilated and dry place. Keep away from heat, strong acids and oxidizing agents. Solid forms can be packed in laminated paper bags.

### **SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION**

- 8.1. Control Parameters** : None required when adequate ventilation is available at ambient temperature.
- 8.2. Exposure Controls Appropriate Engineering Controls** : No special measures required
- PPE**
- Eye/Face protection : Use Safety goggles and face mask

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Skin Protection	: Wear chemically resistant protective gloves
Respiratory Protection	: In case of inadequate ventilation wear respiratory protection
Other Information	: Follow standard industrial practice for handling chemicals



### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on Basic Physical and Chemical Properties

Appearance/physical state	: White crystalline solid at 30°C
Odour	: Faint Fatty Odour
Odour threshold	: Not Available
pH	: Not Available
Molecular weight	: 267-275
Melting point	: 56-59 °C at 101.3 kPa
Boiling point	: > 300 °C at 760 mm Hg
Flash point	: 200 °C (Closed Cup)
Evaporation Rate	: Not Applicable
Flammability	: Not Flammable
Explosive Limits	: Not Explosive
Vapour pressure	: <1.0 mm Hg at 165 °C
Vapour Density	: Not Available
Relative Density	: Not Available
Viscosity at 70 °C	: 9.5 mPa.s
Solubility in water	: 113 mg/L at 20 °C
Density	: 0.84 g/mL at 80 °C

### SECTION 10: STABILITY AND REACTIVITY

10.1.Reactivity	: No data available
10.2.Chemical Stability	: Stable under normal operational condition
10.3.Possibility of Hazardous Reactions	: No data available
10.4.Conditions to Avoid	: Sources of heat, ignition & flame
10.5.Incompatible Materials	: Strong acids and oxidizing agents

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**10.6. Hazardous Decomposition Products** : Carbon monoxide & Carbon dioxide

### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **11.1. Information on Toxicological**

##### **Effects**

##### **Acute Toxicity**

LD50 Oral-rat : 2000-6000 mg/kg bw  
LD50 Dermal- rabbit : >2000 mg/kg bw

Eye Irritation : Slight irritation  
Skin Irritation : Slight irritation  
Sensitization : Not available  
Carcinogenicity : Not available

### **SECTION 12: ECOLOGICAL INFORMATION**

#### **12.1. Toxicity**

LC50 Fish : 10 g/L (exposure time: 48 hours), Species: Leuciscus idus  
EC50 Aquatic Invertebrate : 4.8 mg/L (exposure time: 48 hours), Species: Daphnia magna  
EC50 Algae : 900 ug/L (exposure time: 72 hours), Species: Pseudokirchneriella subcapitata  
EC10 Microorganism : 883 mg/L (exposure time: 18 hours), Species: Pseudomonas putida

#### **12.2. Persistence and Degradability**

: Biodegradable

#### **12.3. Bioaccumulative Potential**

: Not Available

#### **12.4. Mobility in Soil**

: Not Available

#### **12.5. Other Adverse Effects**

: Toxic to aquatic life. Avoid release to the environmental

### **SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste Treatment Methods** : Disposal must be made accordingly to official regulation. Do not dump into any sewers, on the ground, or into any body of water.

### **SECTION 14: TRANSPORTATION INFORMATION**

**14.1. UN Number** : None

#### **14.2. UN Proper Shipping Name**

Land Transport (ADR/RID) : Chemicals N. O. S. / (Non-Regulated)  
Maritime Transport (IMDG) : Chemicals N. O. S. / (Non-Regulated)  
Air Transport (IATA) : Chemicals N. O. S. / (Non-Regulated)  
HS Code : 3823 11 0000

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### **14.3. Transport Hazard class (es)**

Land Transport (ADR/RID)  
Maritime Transport (IMDG) : Not Applicable  
Air Transport (IATA) : Not Applicable  
: Not Applicable

### **14.4. Packing Group**

Land Transport (ADR/RID) : Not Applicable  
Maritime Transport (IMDG) : Not Applicable  
Air Transport (IATA) : Not Applicable

### **14.5. Environmental Hazards**

Land Transport (ADR/RID) : No  
Maritime Transport (IMDG) : No  
Air Transport (IATA) : No

**14.6. Special Precautions for Use** : No data available

## **15. REGULATORY INFORMATION**

EEC Regulations : This product is not classified as dangerous according to EEC directive.

Inventory Status : According to available data and our knowledge, this product is not regulated. However, one should observe the usual precautionary measures for dealing with chemicals according to local, state and federal regulation and industrial requirements.

REACH Registration Number : 01-2119543709-29-0037

## **16. OTHER INFORMATION**

SDS Updated Date : 18 Feb 2020  
SDS Creation Date : 07 Feb 2017  
Version : 1.05  
SDS Authorized by : Quality Management System Department

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