



## Safety Data Sheet

### Section 1: Identification

Trade Name: Lauric Acid 99% FGK

Synonyms: Dodecanoic acid

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Emergency Phone: Chemtrec 1 800 424 9300

CAS No: 143-07-7

### Section 2: Hazard(s) Identification

#### 2.1 Classification of the Substance or Mixture

Classification (GHS-US)

Eye Dam. 1 H318

#### 2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US): Danger

Hazard Statements (GHS-US): H318-Causes serious eye damage

Precautionary Statements (GHS-US): P280-Wear eye protection, protective clothing, protective gloves

P305+P351+P338-If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

P310-Immediately call a POISON CENTER or doctor

#### 2.3.

Other Hazards

No additional information available

2.4.

Unknown Acute Toxicity (GHS-US): No data available

### Section 3: Composition/Information on Ingredients

Chemical Name	CAS No	% Content	Classification (GHS-US)
Lauric acid	(CAS No) 143-07-7	>= 99	Eye Dam. 1, H318

**Full text of H-phrases: see section 16**

3.2.

Mixtures Not applicable

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. Immediately call a POISON CENTER or doctor/physician.

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

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Causes serious eye damage.

Symptoms/Injuries After Inhalation: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Symptoms/Injuries After Skin Contact: Not irritating to skin.

Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: 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: Fire-Fighting Measures

### 5.1. Extinguishing Media

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

Unsuitable Extinguishing Media: Do not use water.

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

Fire Hazard: Not flammable but will support combustion.

Explosion Hazard: Product is not explosive.

Reactivity: Stable at ambient temperature and under normal conditions of use.

### 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

## **Section 6: Accidental Release Measures**

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

General Measures: Can be slippery on hard, smooth walking area.

#### 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: Clear 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

Additional Hazards When Processed: Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

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. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

## 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.

Incompatible Products: Strong oxidizers.

Storage Temperature: In bulk, store at about 5-10°C above melting point or at ambient temperature.

Storage Area: Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure.

Special Rules on Packaging: Stainless steel preferred for storage.

## 7.3. Specific End Use(s) See section 1

## Section 8: Exposure Controls/Personal Protection

### 8.1. Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

### 8.2. Exposure Controls

Appropriate Engineering Controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment : Dust formation: dust mask. Safety glasses.



Hand Protection : Rubber gloves. Wear chemically resistant protective gloves.

Eye Protection : Chemical goggles or safety glasses.

Respiratory Protection : If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

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.

Odor : Light.

Odor Threshold : No data available

pH : Not applicable

Relative Evaporation Rate (butylacetate=1) : No data available

Melting Point : 42 - 44 °C (107.6-111.2°F)

Freezing Point : No data available  
Boiling Point : > 225 °C (437°F)  
Flash Point : 160 - 165 °C (320-329°F) ISO 2592 Open Cup  
Auto-ignition Temperature : > 250 °C (482 °F)  
Decomposition Temperature : No data available  
Flammability (solid, gas) : No data available  
Vapor Pressure : < 1 mm Hg @ 131 °C  
Relative Vapor Density at 20 °C : ~0.883 g/cm<sup>3</sup>  
Relative Density : ~ 99  
Specific Gravity : 0.833 g/cm<sup>3</sup> @20°C  
Solubility : Water: 0.00481 g/l @ 25°C  
Ethanol: Soluble  
Ether: Soluble  
Organic solvent: Soluble  
Log Pow : 4.6 log - Segregation coefficient (n-octanol/water)  
Log Kow : No data available  
Viscosity, Kinematic : No data available  
Viscosity, Dynamic : No data available  
Explosive Properties : No data available  
Oxidizing Properties : No data available  
Explosive Limits : Not applicable

## **Section 10: Stability and Reactivity**

- 10.1 Reactivity: Stable at ambient temperature and under normal conditions of use.
- 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: Avoid ignition sources. 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
  - Skin Corrosion/Irritation: Not classified
  - Serious Eye Damage/Irritation: Causes serious eye damage.
  - Respiratory or Skin Sensitization: Not classified
  - Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Symptoms/Injuries After Skin Contact: Not irritating to skin.

Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: May cause nausea, vomiting, and diarrhea.

## Section 12: Ecological Information

12.1. Toxicity No additional information available

12.2. Persistence and Degradability

Lauric Acid 99% FGK (143-07-7)	
Persistence and Degradability	Readily biodegradable in water.

12.3. Bioaccumulative Potential

Lauric Acid 99% FGK (143-07-7)	
Bioaccumulative Potential	Not established.

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

## 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/DOT/TDG

14.1. UN Number Not applicable

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

Lauric acid (143-07-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

### 15.2 US State Regulations

Lauric Acid 99% FGK(143-07-7)	
State or local regulations	The product and/or its components does not appear on any state Right to Know lists.
Lauric acid (143-07-7)	
U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term	

## Section 16: Other Information

Indication of Changes : Revision date.

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:

Eye Dam. 1	Serious eye damage/eye irritation Category 1
H318	Causes serious eye damage

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Review Date: December 2015