



SDS #: 431

Revision Date: October 16, 2015

## Lauric Acid Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Lauric Acid

Signal Word  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-9906

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Serious eye damage or irritation (Category 1). Causes serious eye damage (H318).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Lauric acid	143-07-7	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>10</sub> COOH	200.32	
Synonyms: Dodecanoic acid				

### SECTION 4 — FIRST AID MEASURES

**If in eyes:** Immediately contact poison center or physician (P310). Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

**If inhaled:** Call a POISON CENTER or physician if you feel unwell.

**If skin irritation occurs:** Get medical advice or attention (P332+P313).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible solid.

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA Code  
None established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Wipe up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material

pickup is complete. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides and peracids.  
Store in a cool, dry place.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves and eye protection (P280). Wash hands thoroughly after handling (P264).

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Colorless, needle like crystals. Slight odor of bay oil.	Boiling point: > 225 °C
Soluble: Ether. Insoluble in water.	Melting point: 42-44 °C
pH: No data available	Flash point: 160-165 °C ISO 2592 Open Cup
Vapor pressure: less than 1 mm Hg @ 25 °C	Refractive index: 1.4183
	Specific gravity: 0.833 g/cm <sup>3</sup>

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with bases, oxidizing agents, and reducing agents.  
Shelf life: Indefinite, if stored properly.  
Hazardous decomposition products: Carbon oxides (CO and CO<sub>2</sub>)

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Eye and skin irritation.	ORL-RAT LD <sub>50</sub> : N.A.
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : N.A.
Target organs: Eyes and skin.	SKN-RBT LD <sub>50</sub> : N.A.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #24a is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (205-582-1).

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**SECTION 16 — OTHER INFORMATION**

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

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