



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 ₃ (CH ₂) ₁₀ 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.

SECTION 7 — HANDLING AND STORAGE

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

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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 ³

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with bases, oxidizing agents, and reducing agents.
Shelf life: Indefinite, if stored properly.
Hazardous decomposition products: Carbon oxides (CO and CO₂)

SECTION 11 — TOXICOLOGICAL INFORMATION

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

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

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

SECTION 14 — TRANSPORT INFORMATION

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

SECTION 15 — REGULATORY INFORMATION

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

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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