
Section 1 — Chemical Product and Company Identification

2-Octanol

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Section 2 — Composition, Information on Ingredients

2-Octanol

Synonym: secondary caprylic alcohol

CAS#: 123-96-6

Section 3 — Hazards Identification

Colorless, viscous liquid; aromatic yet somewhat unpleasant odor.

Severe eye irritant. Irritating to all body tissues. Avoid all body contact.

Slightly toxic by ingestion or inhalation.

Combustible liquid. Substance may develop explosive peroxides upon aging.

FLINN AT-A-GLANCE

Health-1

Flammability-2

Reactivity-1

Exposure-1

Storage-0

0 is low hazard, 3 is high hazard

Section 4 — First Aid Measures

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Give large quantities of water. Call a physician or poison control at once.

Section 5 — Fire Fighting Measures

Class IIIA Combustible liquid.

Substance may develop explosive peroxides upon aging.

Flash Point: 160 F

Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and

SCBA with full facepiece operated in positive pressure mode.

NFPA CODE

H-1

F-2

R-0

Section 6 — Accidental Release Measures

Restrict unprotected personnel from area. Remove all ignition sources and ventilate area. Contain spill with sand and absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

Section 7 — Handling and Storage

Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides.

Use and dispense in a hood.

Store in a cool dry place.

Section 8 — Exposure Controls, Personal Protection

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

Use exhaust ventilation to keep airborne concentrations low.

FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

Material Safety Data Sheet (MSDS)

2-Octanol

MSDS #: 560.00

Revision Date: March 19, 2003

Section 9 — Physical and Chemical Properties

Colorless, viscous liquid; aromatic, yet somewhat unpleasant odor.

Solubility: Slightly in water. Miscible with alcohol and ether.

Formula: CH₃(CH₂)₅CH(OH)CH₃

Formula Weight: 130.23

Specific Gravity: 0.825

Flash Point: 60 C (140 F)

Section 10 — Stability and Reactivity

Avoid contact with strong oxidizers.

Shelf life: Poor. Substance may develop explosive peroxides upon aging. Do not distill to dryness.

Section 11 — Toxicological Information

Acute effects: Severe eye irritant, nausea, dizziness and headache

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD50: N.A.

IHL-RAT LC50: N.A.

SKN-RBT LD50: N.A.

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

Section 12 — Ecological Information

Data not yet available.

Section 13 — Disposal Considerations

Please consult with state and local regulations.

Flinn Suggested Disposal Method 18b is one option.

Section 14 — Transport Information

Shipping Name: Not regulated.

Hazard Class: N/A

UN Number: N/A

N/A = Not applicable

Section 15 — Regulatory Information

EINECS-listed (223-938-4).

Section 16 — Other Information

Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.

FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

Flinn--"Your Safer Source for Chemicals"

flinn@flinnsci.com www.flinnsci.com
P.O. Box 219 Batavia IL 60510
(800) 452-1261 Fax (866) 452-1436