

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 560.00

Revision Date: August 29, 2011

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; Hexyl methyl carbinol

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 and 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 or External: Immediately flush with fresh water for at least 15 minutes.
Internal: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class IB combustible liquid.
Flash point: 71 °C Flammable limits: Lower: 0.8% Upper: 7.4% Autoignition Temperature: 390 °C
Substance may develop explosive peroxides upon aging.
Fire Fighting Instructions: Use a 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 the area. Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a 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 a chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

FLINN SCIENTIFIC, INC.**Material Safety Data Sheet 2-Octanol****MSDS #:** 560.00**Revision Date:** August 29, 2011**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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

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

Formula: $\text{CH}_3(\text{CH}_2)_5\text{CH}(\text{OH})\text{CH}_3$

Formula weight: 130.23

Boiling point: 174-181 °C

Flash point: 71 °C

Melting point: -38.6 °C

Specific gravity: 0.81

Vapor density: Heavier than air

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 review all federal, state and local regulations that may apply, before proceeding.

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

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