

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 561.00

Revision Date: November 1, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1-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

1-Octanol

Synonym: caprylic alcohol; n-octyl alcohol

CAS#: 111-87-5

SECTION 3 — HAZARDS IDENTIFICATION

Colorless liquid. Strong floral odor.

Irritating to body tissues. Slightly toxic by ingestion and inhalation. Avoid all body tissue contact.

Combustible liquid.

FLINN AT-A-GLANCE

Health-1

Flammability-1

Reactivity-0

Exposure-1

Storage-1

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 IIIA combustible liquid.

Flash point: 81 °C Autoignition Temperature: 273 °C

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 water. Sweep 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 #2. Store with alcohols, glycols, amines, and amides.

Store in a Flinn Chem-Saf bag.

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.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid with a penetrating, aromatic odor.
Solubility: Miscible with alcohol; not miscible with water.
Formula: $\text{CH}_3(\text{CH}_2)_7\text{OH}$
Formula weight: 130.23

Boiling point: 195 °C
Melting point: -15 °C
Specific gravity: 0.826 2
Vapor density: 4.5
Vapor pressure: 0.14 mmHg

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with acids, acid chlorides, and strong oxidizing agents.
Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Harmful liquid, irritant
Chronic effects: N.A.
Target organs: N.A.

ORL-MUS LD₅₀: 1790 mg/kg
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

TSCA-listed, EINECS-listed (203-917-6).

SECTION 16 — OTHER INFORMATION

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