



SDS #: 561

Revision Date: March 21, 2014

## Safety Data Sheet (SDS)

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### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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#### 1-Octanol

**Signal Word**  
**WARNING**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-10071

Pictograms

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### SECTION 2 — HAZARDS IDENTIFICATION

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Hazard class: Flammable liquids (Category 3). Combustible liquid (H227). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).



**SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS**

Component Name	CAS Number	Formula	Formula Weight	Concentration
1-Octanol	111-87-5	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>7</sub> OH	130.23	
Synonyms: Caprylic alcohol; n-Octyl alcohol				

**SECTION 4 — FIRST AID MEASURES**

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water (P302+P352). **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 (P302+P301+P312).**

**SECTION 5 — FIRE FIGHTING MEASURES**

Class IIIA combustible liquid.

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

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher (P370+P378).

**NFPA Code**

H-1

F-2

R-0

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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 due to strong odor. Keep cool (P235).

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

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

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Colorless liquid. Strong floral odor.

Soluble: Miscible with alcohol, chloroform, and mineral oil. Not miscible with water or glycerin.

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.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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

ORL-MUS LD<sub>50</sub>: 1790 mg/kg

Chronic effects: N.A.

IHL-RAT LCL<sub>0</sub>: 5600 mg/m<sup>3</sup>/4H

Target organs: Skin and eyes.

SKN-GPG LD<sub>50</sub>: greater than 1 g/kg

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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 #18b 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 (203-917-6).

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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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