

## OCTYL ALCOHOL

## Material Safety Data Sheet

-----  
Mallinckrodt Chemical Inc.

P.O. Box 800

Paris, Kentucky 40362

Emergency Telephone Number  
314-539-1600

Effective Date: 02-26-87 Supersedes 09-01-85

## PRODUCT IDENTIFICATION:

-----  
Synonyms: 1-Octanol; Caprylic alcohol; Octanol; 1-n-Octanol

Formula CAS No.: 111-87-5

Molecular Weight: 130.23

Hazardous Ingredients: Octyl alcohol

Chemical Formula: C<sub>8</sub>H<sub>18</sub>O

## PRECAUTIONARY MEASURES

-----  
WARNING! CAUSES IRRITATION TO EYES AND SKIN. COMBUSTIBLE.

Do not breathe vapor.

Avoid contact with eyes, skin and clothing.

Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

Keep away from heat, sparks and flame.

## EMERGENCY FIRST AID

-----  
In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. In case of contact, immediately flush skin with plenty of water for at least 15 minutes. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, call a physician immediately.

SEE SECTION 5.

## Physical Data

## SECTION 1

-----  
Appearance: Colorless liquid.

Odor: Penetrating aromatic odor.

Solubility: Soluble in water.

Boiling Point: 194.5 C (382 F)

Vapor Density (Air=1): No information found.

Melting Point: -17 C (1 F)

Vapor Pressure (mm Hg): No information found.

Specific Gravity: 0.827

Evaporation Rate: No information found.

NFPA Ratings: Health: 1 Flammability: 2 Reactivity: 0

## Fire and Explosion

## SECTION 2

-----  
Information-----  
Fire:

Combustible liquid. Flash point 81 C (178 F)

Explosion:

Above the flash point, explosive vapor-air mixtures may be formed.

Fire Extinguishing Media:

Dry chemical, foam or carbon dioxide.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## Reactivity Data

## SECTION 3

## Stability:

Stable under ordinary conditions of use and storage.

## Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizers.

## Leak/Spill Disposal Information

## SECTION 4

Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Contain and recover liquid when possible. Collect as hazardous waste and atomize in a suitable RCRA approved combustion chamber, or absorb with vermiculite, dry sand, earth or similar material for disposal as hazardous waste in a RCRA approved facility. Do not flush to sewer!

Ensure compliance with local, state and federal regulations.

## Health Hazard Information

## SECTION 5

## A. Exposure/Health Effects

Information on the human health effects from exposure to this substance is limited.

Inhalation: No information found, but compound should be handled as a potential health hazard.

Ingestion: No information found, but compound should be handled as a potential health hazard.

Skin Contact: Causes irritation.

Eye Contact: Causes irritation.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: No information found.

## B. FIRST AID

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: If swallowed, call a physician immediately.

Skin Exposure: Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Eye Exposure: Wash eyes with plenty of water for at least 15 minutes,

lifting lower and upper eyelids occasionally. Get medical attention immediately.

## C. TOXICITY

(RTECS, 1986)

-----  
 Oral mouse LD50: 1790 mg/Kg

## Occupational Control Measures

## SECTION 6

-----  
 Airborne Exposure Limits: None established.

## Ventilation System:

A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

Personal Respirators  
(NIOSH Approved)

For conditions of use where exposure to the vapor is apparent, a half mask chemical cartridge respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

## Skin Protection:

Wear protective gloves and clean body-covering clothing.

## Eye Protection:

Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

## Storage and Special Information

## SECTION 7

-----  
 Protect against physical damage. Outside or detached storage is preferred. Inside storage should be in a standard flammable liquids storage room or cabinet. Separate from oxidizing materials. Storage and use areas should be No Smoking areas.

\*\*\*\*\*  
 Mallinckrodt provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. MALLINCKRODT MAKES NO REPRESENTATIONS, OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MALLINCKRODT WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.  
 \*\*\*\*\*  
 OR284

## Addendum to Material Safety Data Sheet

## REGULATORY STATUS

Hazard Categories for SARA  
Section 311/312 Reporting

Acute	Chronic	Fire	Pressure	Reactive
-----	-----	-----	-----	-----
X		X		

Product or Components of Product:	SARA EHS Sec. 302		SARA Sec. 313 Chemicals		CERCLA Sec. 103	RCRA Sec.
	RQ	TPQ	Name List	Chemical Category	RQ lbs	261.33
-----	---	---	----	-----	-----	-----
OCTYL ALCOHOL (111-87-5)	No	No	No	No	No	No

SARA Section 302 EHS RQ:

Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA Section 302 EHS TPQ:

Threshold Planning Quantity of Extremely Hazardous substance. An asterisk (\*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

SARA Section 313 Chemicals:

Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA Sec. 103:

Comprehensive Environmental Response, Compensation and Liability Act (Superfund) Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4

RCRA:

Resource Conservation and Recovery Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33

OR284

OCTYL ALCOHOL