MATERIAL SAFETY DATA SHEET

ALDON CORPORATION
1533 W.Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. OX 5
Effective Date April 6, 1999

SECTION I NAME

Product	OCTYL ALCOHOL
Chemical Synonyms	1-Octanol
Formula	$CH_3(CH_2)_6CH_2OH$
Unit Size	up to 3.785 Lt.
C.A.S. No.	111-87-5

24 HOUR EMERGENCY ASSISTANCE

CHEMTREC **800-424-9300**
Day 716-226-6177

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS *	
Health	1
Fire	2
Reactivity	0

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Octyl Alcohol	100%	None assigned.
WARNING! COMBUSTIBLE. HARMFUL IF		
SWALLOWED. VAPOR HARMFUL. IRRITANT.		

SECTION III PHYSICAL DATA

Melting Point (°F)	-17.2°C (1°F)	Specific Gravity (H_2O = 1)	0.827 at 20/20°C
Boiling Point (°F)	195°C (383°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	0.14 at 78°F	Evaporation Rate (Butyl Ac. =1)	Less than 0.01
Vapor Density (Air=1)	4.5		
Solubility in Water	0.04 grams per 100 mL. at 20°C.		
Appearance & Odor	Clear, colorless liquid; strong sweet odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	180°F (82.2°C) (CC)	Flammable Limits in Air % by Volume	Lower	Upper
		Unknown	0.9%	6.0%
Extinguisher Media	Foam; carbon dioxide (CO_2); dry chemical; water spray.			

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce various hazardous hydrocarbons as decomposition products; can react with strong oxidizing materials.

Autoignition Temperature: 274°C (525°F)

D.O.T. **Non-Regulated**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH HAZARD DATA OX 5

Threshold Limited Value

None established by (ACGIH 1992-93). TXDS: Oral-rat LD_{50} > 5 grams/kg; Dermal: Rabbit LD_{50} 2 grams/kg. Inhalation: LC_{50} > 5600 mg/m^3

Effects of Overexposure

INHALATION: Vapors and mists irritate the nose and throat. Inhalation of higher concentrations may cause headaches, dizziness. **EYES:** Vapors may irritate the eyes. Liquid and mists may severely irritate or cause corneal irritation. **SKIN:** Brief contact may dry skin. Prolonged or repeated contact may irritate the skin, causing dermatitis. **INGESTION:** None currently known.

TARGET ORGANS AFFECTED:
Central nervous system.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If not breathing ,give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Immediately flush eyes thoroughly with running water for 15 minutes, raising the upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **INGESTION:** If swallowed, do **NOT** induce vomiting. If conscious, give one or two glasses of water to drink. Call physician immediately. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	**Unstable**		**Conditions to Avoid**
	Stable	X	Excessive temperature and heat.

Incompatibility (Materials to Avoid) Strong oxidizing materials, inorganic acids, halogens.

Hazardous Decomposition Products Thermal decomposition or burning emits carbon dioxide and/or carbon monoxide.

Hazardous Polymerization		**Conditions to Avoid**
May Occur	**Will Not Occur**	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Wearing suitable protective clothing, extinguish all ignition sources and absorb spill in vermiculite, sand or earth. Scoop up and place in a suitable container for disposal by incineration. Wash spill area with soap and water.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dispose of in an approved incinerator or contract with a licensed waste disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) In normal laboratory use work in ventilation hood. In the absence of proper respiratory ventilation wear a NIOSH/MSHA approved canister respirator at the point of use.

Ventilation	**Local Exhaust**	Recommended.	**Special**	No.
	Mechanical (General)	Recommended.	**Other**	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Goggles, lab coat, apron, eye wash station, fire extinguisher, proper gloves, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Keep container tightly closed when not in use.

Store in a cool, dry, well-ventilated area away from strong oxidizing materials and fire hazards. Keep away from heat, sparks and flames. Avoid contact with eyes. Wash thoroughly after handling. Remove and wash contaminated clothing.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Containers; even those that have been emptied, will retain product residue and vapor. Always obey hazard warnings and handle empty containers as if they were full.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 7	Date	4/6/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR