

**MATERIAL SAFETY DATA SHEET**

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MSDS No. 9475704 9475706  
Effective Date: September 04, 2002

**SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE**

Product	Octyl alcohol	416-984-3000						
Chemical Synonyms	1-Octanol	<table border="1"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Flammability</td> <td>2</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	Health	1	Flammability	2	Reactivity	0
Health	1							
Flammability	2							
Reactivity	0							
Formula	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>6</sub> CH <sub>2</sub> OH	<table border="1"> <tr> <td>HAZARD RATING</td> <td>WHMIS</td> </tr> <tr> <td>LEAST SLIGHT MODERATE HIGH EXTREME</td> <td>0 1 2 3 4</td> </tr> </table>	HAZARD RATING	WHMIS	LEAST SLIGHT MODERATE HIGH EXTREME	0 1 2 3 4		
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CAS No.	111-87-5							

**SECTION II DANGEROUS INGREDIENTS**

Name	%	TLV Units
Octyl Alcohol	100%	N/A
<b>WARNING! COMBUSTIBLE.</b>		

**SECTION III PHYSICAL DATA**

Melting Point (°C)	-17.2°C	Specific Gravity (H <sub>2</sub> O = 1)	0.827 @ 20/20°C
Boiling Point (°C)	195°C	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	0.14 @ 78°F	Evaporation Rate (Butyl alcohol =1)	< 0.01
Vapor Density (Air=1)	4.5		
Solubility in Water	0.04 g/100 mL @ 20°C.		
Appearance & Odor	Liquid; no odor.		

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

Flash point	Closed Cup: 82.2°C	Flammable Limits in Air % by Volume	Lower 0.9%	Upper 6.0%
Firefighting Procedures	Use dry chemical, CO <sub>2</sub> , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.			

Flammability and Explosion Hazards	This product is combustible.
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TDG	Not controlled under TDG.
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Flammable Cabinet

**SECTION V REACTIVITY DATA OX0005**

Chemical Stability	Yes X	If no, under what conditions?
	No	
Incompatible with Other products	Yes X	Strong oxidizing materials, inorganic acids.
	No	
Hazardous Decomposition Products	These product are carbon oxides.	
Reactive under what conditions	No specific information is available.	

**SECTION VI TOXICOLOGICAL PROPERTIES**

Route of Entry	Ingestion.
TLV	N/A
Toxicity for animals	Acute oral toxicity (LD50): > 5 g/kg (Rat).
Chronic effects on humans	Repeated or prolonged exposure to the substance can produce target organ damage. Target organs: Central nervous system, liver, kidneys.
Acute effects on humans	Harmful if swallowed. Vapor harmful. May cause eye and skin irritation.

**SECTION VII PREVENTIVE MEASURES**

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Ground all equipment containing material. Keep in a cool, well ventilated place. Keep container tightly closed. Keep away from strong oxidizing agents. Keep away from heat, sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood.
Precautions	Avoid contact with skin and eyes. DO NOT inhale vapor or spray. DO NOT ingest. If ingested, seek medical advice immediately.
Spill or leak	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Wash spill area with soap and water.
Protective Clothing	Splash goggles, lab coat, vapor respirator, gloves.

**SECTION VIII FIRST AID MEASURES**

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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**SECTION IX PREPARATION OF THE MSDS**

Rev. No.	5	Date	September 04, 2002	Approved	Michael Raszeja
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