

SECTION I NAME

MATERIAL SAFETY DATA SHEET

Product	OCITYL ALCOHOL		Health	1		
Chemical Synonyms	1-OCTANOL		Fire	2		
Formula	CH ₃ (CH ₂) ₆ CH ₂ OH	NFPA	Reactivity	0		
Unit(s) Size	500 ml., 1 Lt., 4Lt.	HAZARD RATING				
C.A.S. No.	111-87-5	LEAST	SLIGHT	MODERATE	HIGH	EXTREME

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
Octyl Alcohol	100%	None assigned

WARNING! COMBUSTIBLE - IRRITANT

SECTION III PHYSICAL DATA

Melting Point (°F)	-16.3° C	Specific Gravity (40 = 1)	0.827 at 20/20° C
Boiling Point (°F)	381° F (194° C)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	0.2 mm at 20° C	Evaporation Rate	Less than 0.01
Vapor Density (Air = 1)	4.5		
Solubility in Water	0.04 grams per 100 ml at 20° C		

Appearance and Odor Clear, colorless liquid; strong sweet odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	178° F (81° C) (CC)	Flammable Limits in Air	Lower	Upper
Extinguisher	Foam; carbon dioxide (CO ₂); dry chemical (ABC); water spray.			

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

SPECIAL FIREFIGHTING PROCEDURES

UNUSUAL FIRE AND EXPLOSION HAZARDS

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

D.O.T. H01 REGULATED



FREY SCIENTIFIC

905 HICKORY LANE, MANSFIELD OHIO 44905

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

SECTION V HEALTH HAZARD DATA

Threshold Limited Value

None established by (ACGIH 1983-84).

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.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. Give artificial respiration if not breathing. Get immediate 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, followed with washing with mild soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing. INGESTION: Do NOT induce vomiting. If conscious, give one or two glasses of water. Call physician immediately. Do not give anything by mouth to an unconscious or convulsing person.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	Excessive temperature and heat.

Incompatibility (Materials to avoid)

Strong oxidizing materials.

Hazardous Decomposition Products

Thermal decomposition or burning emits carbon dioxide and/or carbon monoxide.

Hazardous Polymerization

Will Not Occur

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 fire proof container for disposal by incineration.

Waste Disposal Method

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

SECTION VIII SPECIAL PROTECTION INFORMATION

Discharge, treatment, or disposal may be subject to federal, state, or local laws.

Ventilation

In normal laboratory use work in ventilation hood. In the absence of proper respiratory protection wear a NIOSH-approved canister respirator at the point of use.

Protective Gloves

Rubber

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Store in a cool, dry, well-ventilated area away from strong oxidizing materials and fire hazards.

Other Precautions

Read label on container before using. 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.

Rev. No. No 1 Date 1/12/84 Approved [Signature] Chemical Safety Coordinator

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