



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. MM 265
Effective Date November 10, 1998

SECTION V HEALTH HAZARD DATA

MM 265

Threshold Limited Value

None established (ACGIH 1992-93).
Toxicity Data: LD50 oral-rat 3180 mg/kg.

Effects of Overexposure

INHALATION: Low hazard for usual industrial handling. High concentrations of dust may cause marked irritation of the nose and throat, shock, collapse, coma, convulsions, cyanosis and death. **EYES:** May cause transient irritation. Acute exposure - may cause severe damage with slight corneal clouding, in intense hyperemia of the iris, and miosis with complete recovery likely after approximately 2 weeks. **SKIN:** Corrosive on acute exposure - direct contact may cause painless blanching or erythema. **INGESTION:** Corrosive - acute exposure - may cause white burns, local anesthesia and edema of the lips and mouth, severe abdominal irritation.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If discomfort or illness develops, get medical attention. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. **INGESTION:** If swallowed, if conscious, give milk or water to drink. Induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Strong oxidizers, camphor, phenol, chloral hydrate, resorcinol, thymol.
--------------------------------------	---

Hazardous Decomposition Products	Hazardous decomposition products will produce carbon dioxide and carbon monoxide, acid fumes and smoke.
----------------------------------	---

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	Recover for use if not contaminated. Sweep material onto paper and place in suitable container for proper disposal. Ventilate well and scrub 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 chemical waste disposal agency.
-----------------------	---

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.
---------------------------------------	---

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

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

Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves, ventilation hood.
----------------------------	---

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizing materials. Wash thoroughly after handling.
Keep container tightly closed when not in use.	

Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid prolonged or repeated contact with skin, eyes and mucous membranes. Use with adequate ventilation. Remove and wash contaminated clothing.
-------------------	--

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

Revision	No. 3	Date	11/10/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
----------	-------	------	----------	----------	-----------------	-----------------------------	----

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	MENTHOL	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 3 4
Chemical Synonyms	Hexahydrothymol, Peppermint Camphor	
Formula	C ₁₀ H ₂₀ O	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	89-78-1	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Menthol	100%	None established.
WARNING! MAY CAUSE IRRITATION TO EYES,		
SKIN AND MUCOUS MEMBRANES. HARMFUL		
IF SWALLOWED OR INHALED. COMBUSTIBLE.		

SECTION III PHYSICAL DATA

Melting Point (°F)	41-44°C (105.8-111.2°F)	Specific Gravity (H ₂ O = 1)	0.890 @ 15°C/15°C
Boiling Point (°F)	212°C (413.6°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	1 mm Hg @ 56°C	Evaporation Rate (n-Butyl Acet=1)	Negligible.
Vapor Density (Air=1)	5.4		
Solubility in Water	Slightly.		
Appearance & Odor	Colorless, waxy, needle like crystals; pleasant odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	>93°C (200°F)	Flammable Limits in Air % by Volume	Lower	Upper
		NA	-----	-----
Extinguisher Media	Carbon dioxide (CO ₂); foam; dry chemical (ABC).			

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. No acute hazard. Move container from fire area if possible. Avoid breathing vapors or dusts; keep upwind.

D.O.T. NON-REGULATED.

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