



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. TT 130
Effective Date November 20, 1998

SECTION V HEALTH HAZARD DATA

TT 130

Threshold Limited Value None established by (ACGIH 1992-93). LD₅₀ orally in mice: 1.8 grams per kg. LD50 oral rat: 980 mg/kg.

Effects of Overexposure **INHALATION:** Can cause nervous stimulation, confusion, rapid pulse and hearing disturbances. Severe overexposure can result in unconsciousness and respiratory failure. **SKIN:** Can cause burns. **EYES:** Can cause burns. **INGESTION:** Produces gastric pain, nausea, vomiting, central hyperactivity, occasionally convulsions, coma, cardiac and respiratory collapse. Vapor is irritating to the throat and lungs.

Emergency and First Aid Procedures **INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get immediate medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid) Strong oxidizing materials.

Hazardous Decomposition Products Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide, acid fumes and smoke.

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

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Wearing suitable protective clothing, sweep material onto paper and place in a suitable container for disposal by incineration. Wash spill area well 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 remove to an approved landfill.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) In normal laboratory handling, work in ventilation hood. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask, for high vapor concentrations wear NIOSH/MSHA-approved respirator with organic vapor cartridge.

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

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, lab coat, apron, proper gloves, eye wash station, ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place away from strong oxidizing materials and potential fire hazards. 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.
Do not get in eyes, on skin, on clothing. Avoid breathing dust and vapor. Use with adequate ventilation. Volatilizes in water vapors. Remove and wash contaminated clothing.

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

Revision	No. 4	Date	11/20/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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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	THYMOL
Chemical Synonyms	Thyme Camphor
Formula	CH ₃ C ₆ H ₃ CH(CH ₃) ₂ OH
Unit Size	up to 2.5 Kg.
C.A.S. No.	89-83-8

1
2
0

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

NFPA
HAZARD RATING

LEAST SLIGHT MODERATE
0 1 2

Health
Fire
Reactivity

2
1
0

HMIS *
HIGH EXTREME

3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Thymol	100%	None established.
WARNING! CAUSES EYE BURNS.		
HARMFUL IF INHALED OR SWALLOWED.		
CAUSES SKIN IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	48°-51°C (118°-123°F)	Specific Gravity (H ₂ O = 1)	0.972 - 0.979 °C
Boiling Point (°F)	231°C (448°F)	Percent Volatile by Volume (%)	99.9%
Vapor Pressure (mm Hg)	5.7 mm at 20°C	Evaporation Rate (≈1)	Data not listed.
Vapor Density (Air=1)	5.2		
Solubility in Water	Slightly soluble.		
Appearance & Odor	Colorless, translucent crystals; characteristic odor; phenolic, sweet powerful medicinal herbaceous odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and eye protection if not provided.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Moderately dangerous when heated, it emits toxic fumes; can react with strong oxidizing materials.

D.O.T.	NON-REGULATED.
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20