



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. TT 35  
Effective Date May 21, 1999

## SECTION V HEALTH HAZARD DATA

**Threshold Limited Value** None established ACGIH (1992-93).  
Toxicity data: orl-rat LD50: 5170 mg/kg.

**Effects of Overexposure** Target organs affected: Central nervous system. May be irritating to the skin and eyes. Vapor is irritating to the throat and lungs. Vapors may be irritating to the upper respiratory tract. Ingestion may cause severe gastrointestinal tract irritation. Aspiration may cause pulmonary edema and chemical pneumonitis.

**Emergency and First Aid Procedures**  
**EYES:** Flush thoroughly with water for 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush with soap and water. If irritation develops or persists, get medical attention. **INGESTION:** If conscious, rinse mouth with water. Get medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature, heat, sparks or flame.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Strong oxidizing agents.

**Hazardous Decomposition Products** May release acrid smoke and irritating fumes.

<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>	Not applicable.
<b>May Occur</b>	<b>Will Not Occur</b>		
	X		

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Remove all sources of ignition. Ventilate area. Absorb spill in vermiculite, sand, earth, paper towel, then place into a suitable container for proper disposal. Wash spill area with soap and water. Do not allow wash water to pollute water ways and streams.

**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 chemical landfill or contract with a licensed waste disposal service.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** Local exhaust ventilation required. Use a NIOSH/MSHA-approved respirator. Do not use in confined areas.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	<b>No.</b>
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	<b>No.</b>

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

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

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Do not store or use near heat or flame. Protect from light. Store in a cool, dry area. 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 contact with eyes, skin or clothing. Do not breathe vapors. Use adequate ventilation. Remove and wash contaminated clothing.

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

<b>Revision</b> No. 2	<b>Date</b> 5/21/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> 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

<b>Product</b>	ALPHA-TERPINEOL	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td><b>Health</b></td> <td>2</td> </tr> <tr> <td><b>Fire</b></td> <td>2</td> </tr> <tr> <td><b>Reactivity</b></td> <td>1</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	<b>Health</b>	2	<b>Fire</b>	2	<b>Reactivity</b>	1
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0	1		2	3	4													
<b>Health</b>	2																	
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<b>Reactivity</b>	1																	
<b>Chemical Synonyms</b>	Terpineol																	
<b>Formula</b>	C <sub>10</sub> H <sub>18</sub> O																	
<b>Unit Size</b>	up to 5 gal.																	
<b>C.A.S. No.</b>	98-55-5																	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Terpineol	100%	None established.

**WARNING! COMBUSTIBLE LIQUID.**

**MAY CAUSE IRRITATION.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	approx. 34°C (93°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	0.930 - 0.940
<b>Boiling Point (°F)</b>	218°C (424°F)	<b>Percent Volatile by Volume (%)</b>	100%
<b>Vapor Pressure (mm Hg)</b>	0.048 @ 25°C	<b>Evaporation Rate ( =1)</b>	N/A
<b>Vapor Density (Air=1)</b>	5.3		
<b>Solubility in Water</b>	Slightly soluble.		
<b>Appearance &amp; Odor</b>	Colorless viscous liquid; lilac-like odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	90 - 93°C (194 - 200°F) COC	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
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**Extinguisher Media** Dry chemical, carbon dioxide, water spray or foam.

## SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, use water spray to keep fire exposed containers cool. Wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 128)

## UNUSUAL FIRE AND EXPLOSION HAZARDS

Moderate fire hazard when exposed to heat or flame. Vapors are heavier than air and may travel considerable distance to source of ignition and flash back.

D.O.T. Combustible liquid, n.o.s., (Alpha-Terpineol), combustible liquid, NA 1993, PG III

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