



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. LL 155  
Effective Date March 22, 1999

## SECTION V HEALTH HAZARD DATA

LL 155

**Threshold Limited Value** None established for this mixture.  
TLV: PEL: 1000 ppm (Ethyl alcohol)  
TLV: PEL: 200 ppm (Methyl alcohol)

**Effects of Overexposure** **INGESTION:** May cause dizziness, faintness, abdominal discomfort, nausea and vomiting. **INHALATION:** May cause respiratory tract irritation, headache, nausea, vomiting, dizziness and drowsiness. **SKIN:** Prolonged or repeated contact may cause defatting or drying of the skin. **EYES:** May cause irritation, stinging and conjunctivitis.

**Emergency and First Aid Procedures** **INGESTION:** Do NOT give anything by mouth to an unconscious or very drowsy person. If conscious, have victim drink several glasses of water. Call physician or Poison Control Center immediately. Induce vomiting if advised by physician or Poison Control Center. **SKIN:** Flush with water. **INHALATION:** Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. Obtain medical attention. **EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. 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, strong inorganic salts.

**Hazardous Decomposition Products** Thermal decomposition or burning can produce carbon monoxide and/or carbon dioxide.

<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. Use adequate ventilation. Small spills can be flushed with large amounts of water. Large spills should be collected for disposal.

**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 waste disposal agent.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** For normal use at room temperatures none, should be needed with adequate ventilation. If required, work in ventilation hood.

<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 glasses.

**Other Protective Equipment** Smock, apron, eye wash station, goggles, proper gloves.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry, well-ventilated area away from fire hazards. Use with adequate ventilation. 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 skin and eyes. Do not take internally. 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> 3/22/99	<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>	Lens & Mirror Cleaner	<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>Health</td> <td>3</td> </tr> <tr> <td>Fire</td> <td>3</td> </tr> <tr> <td>Reactivity</td> <td>3</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	3	Fire	3	Reactivity	3
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	3																	
Fire	3																	
Reactivity	3																	
<b>Chemical Synonyms</b>	N/A																	
<b>Formula</b>	Mixture.																	
<b>Unit Size</b>	up to 8 oz.																	
<b>C.A.S. No.</b>	Mixture.																	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ethyl alcohol: CAS No. 64-17-5 Water: CAS No. 7732-18-5	80-90% 5-10%	1000 ppm None established.
Methyl alcohol: CAS No. 67-56-1 Ammonium hydroxide: CAS No. 1336-21-6	< 5% < 1%	1000 ppm 25 ppm in air as Amm.
3,5-dimethyl-1-hexyn-3-01: CAS No. 107-54-0	< 0.1%	None established.

**WARNING! FLAMMABLE! Harmful if swallowed. May cause irritation.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	0.82
<b>Boiling Point (°F)</b>	76-82°C (168-179°F)	<b>Percent Volatile by Volume (%)</b>	100%
<b>Vapor Pressure (mm Hg)</b>	15 @ 20°C (68°F)	<b>Evaporation Rate (Butyl acetate =1)</b>	3.1
<b>Vapor Density (Air=1)</b>	0.85		
<b>Solubility in Water</b>	Complete.		
<b>Appearance &amp; Odor</b>	Clear liquid; alcohol odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	27°C (80°F) ASTM O.C.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
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**Extinguisher Media** Alcohol foam, carbon dioxide, dry chemical.

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing. Use water spray to disperse vapors.

1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 151)

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors may form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames or ignition sources. Fire or excessive heat may produce hazardous decomposition products.

D.O.T. Flammable liquids, n.o.s., (Ethyl alcohol, Methyl alcohol), 3, UN 1993, PG III

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