



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. LL 180  
Effective Date March 22, 1999

## SECTION V HEALTH HAZARD DATA

LL 180

**Threshold Limited Value** None established. (ACGIH 1992-93).

**Effects of Overexposure** Boiled linseed oil (e.g., treated with drier and heated to enhance the oils ability to react with oxygen and form a hard film) is more dangerous and should never be taken internally, because lead and other toxic elements (e.g., manganese, cobalt) have usually been added. **INHALATION:** None indicated. **SKIN:** May cause allergic reaction. **EYES:** No specific hazard known. Contact may cause irritation. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures** **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. **EYES:** Flush thoroughly with water for 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush with water, then wash with soap and water. **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>	Exposure to air.
	<b>Stable</b>	X		Excessive temperatures, heat.

**Incompatibility (Materials to Avoid)** Strong oxidizers.

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

<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** Absorb spill with an inert dry material and place in a suitable container for disposal. Wash spill 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 equipped with an afterburner and scrubber.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** None needed in normal laboratory handling at room temperature. If necessary, work in a ventilation hood or wear a NIOSH/MSHA-approved respirator.

<b>Ventilation</b>	<b>Local Exhaust</b>	Yes.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	Not required.	<b>Other</b>	No.

**Protective Gloves** Rubber if sensitive. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Smock, apron, eye wash station, fire extinguisher.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place away from strong oxidizing materials and 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.

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. 4	<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>	LINSEED OIL, BOILED	 <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>1</td> </tr> <tr> <td>Fire</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	1	Fire	1	Reactivity	1
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	1																	
Fire	1																	
Reactivity	1																	
<b>Chemical Synonyms</b>	Flaxseed Oil																	
<b>Formula</b>	Mixture (Natural Product)																	
<b>Unit Size</b>	up to 3.785 Lt.																	
<b>C.A.S. No.</b>	8001-26-1																	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Linseed Oil, Boiled	100%	None established.

**WARNING! COMBUSTIBLE.**

**MAY BE HARMFUL IF SWALLOWED.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	-19°C (-2.0°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	0.931-0.936
<b>Boiling Point (°F)</b>	316°C+ (600°F+)	<b>Percent Volatile by Volume (%)</b>	Data not available.
<b>Vapor Pressure (mm Hg)</b>	Data not listed.	<b>Evaporation Rate (Ether =1)</b>	Greater than 1.
<b>Vapor Density (Air=1)</b>	Data not listed.		
<b>Solubility in Water</b>	Water insoluble.		
<b>Appearance &amp; Odor</b>	Yellow-brown or amber colored, light oily liquid; peculiar odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	403°F (206°C) cc	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
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**Extinguisher Media** Carbon dioxide (CO<sub>2</sub>); dry chemical; water spray; foam.

**SPECIAL FIREFIGHTING PROCEDURES** Water spray may be used to flush spills away from exposures and to dilute spills to non-flammable mixtures. Wear a NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

Ignition Temperature: 650°F (343°C).

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Oily clothes should be spread to dry or burned promptly after use. Develops heat spontaneously; slight fire risk. Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

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