



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. CC 340  
Effective Date October 30, 1998

## SECTION V HEALTH HAZARD DATA

CC 340

**Threshold Limited Value** None established.

**Effects of Overexposure**  
Diluted material may be irritating to skin, eyes and mucous membranes. **SKIN:** Prolonged or repeated skin contact may cause allergic dermatitis. **EYES:** May cause redness, pain and irritation. **INGESTION:** Results in gastroenteritis, local anesthesia, nausea, vomiting, diarrhea.

**Emergency and First Aid Procedures**  
**INGESTION:** If swallowed, if conscious, rinse mouth and give several glasses of milk or water to drink. Get immediate medical attention. Never give anything by mouth to an unconscious person. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops, get medical attention. **SKIN:** Wash with soap and water. **INHALATION:** Remove to fresh air immediately. If ill effects develop, call physician.

## SECTION VI REACTIVITY DATA

**Stability**  
Unstable:  Stable:   
**Conditions to Avoid** Sparks, open flames and extreme temperatures.

**Incompatibility (Materials to Avoid)**  
Strong oxidizers, ferric chloride and potassium permanganate.

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

**Hazardous Polymerization**  
May Occur:  Will Not Occur:   
**Conditions to Avoid** Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled**  
Remove all potential sources of ignition. Contain spill with inert, non-combustible, absorbent material. Scoop up and place in a suitable container for proper 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 equipped with an afterburner and scrubber or contract with a licensed waste disposal service.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)**  
None required in normal laboratory use at room temperature.

**Ventilation**  
Local Exhaust:  If required:  Special:  No.  
Mechanical (General):  Not required:  Other:  No.

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

**Other Protective Equipment**  
Goggles, smock, apron, eye wash station, and proper gloves if needed.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing**  
Darkens and thickens on exposure to air. Store in a cool, dry place away from sources of ignition. Protect from light. 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.

Revision No. 4 Date 10/30/98 Approved Michael Raszeja Chemical Safety Coordinator MR

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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	CLOVE OIL	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4
<b>Chemical Synonyms</b>	Oil of Clove	
<b>Formula</b>	Natural product. See Section II.	
<b>Unit Size</b>	up to 4 Lt.	
<b>C.A.S. No.</b>	8000-34-8	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Clove Oil	100%	See Section V.
<b>CAUTION! MAY CAUSE IRRITATION TO SKIN AND EYES.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	Unknown.	Specific Gravity (H <sub>2</sub> O = 1)	1.038 - 1.060
Boiling Point (°F)	244-259°C (471-498°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	Not applicable.	Evaporation Rate (Ether = 1)	Greater than 1.
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	Insoluble.		
Appearance & Odor	Clear, colorless to pale yellow liquid; clove odor. Darkens on aging.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

## SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Do not use water on burning material, although it may be used to cool containers exposed to heat.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

Combustible. 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