



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. CC 340  
Effective Date October 30, 1998

## SECTION V HEALTH HAZARD DATA

CC 340

### Threshold Limited Value

None established.

### Effects of Overexposure

Undiluted 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	Conditions to Avoid
	Stable	X Sparks, open flames and extreme temperatures.

Incompatibility (Materials to Avoid)	Strong oxidizers, ferric chloride and potassium permanganate.
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Hazardous Decomposition Products	Thermal decomposition or burning will produce carbon dioxide and possibly carbon monoxide.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

## 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.
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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.
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## 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.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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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
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	CLOVE OIL
Chemical Synonyms	Oil of Clove
Formula	Natural product. See Section II.
Unit Size	up to 4 Lt.
C.A.S. No.	8000-34-8

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

Health	0
Fire	1
Reactivity	0

NFPA HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

HMIS \*  
0 1 2 3 4

## SECTION II INGREDIENTS OF MIXTURES

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

## 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

Flash Point (Method Used)	>93°C (>200°F) (cc)	Flammable Limits in Air % by Volume      Unknown	Lower -----	Upper -----
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