



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
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(716) 226-6177

MSDS No. CC 275  
Effective Date February 4, 1999

## SECTION V HEALTH HAZARD DATA

CC 275

### Threshold Limited Value

ACGIH 1992-93: TWA: 10 ppm, OSHA: TWA: 2 ppm, RTECS REF. No.: FS9100000 Carcinogenic Review: Animal positive. Human suspected.

### Effects of Overexposure

**INHALATION:** Prolonged exposure to high vapor concentrations or repeated exposures to low vapor concentrations causes CNS depression and may result in liver or kidney injury and possibly cardiac sensitization. May cause headache, nausea, vomiting, dizziness, drowsiness, irritation of respiratory tract, and loss of consciousness. **EYES:** Contact with eyes causes irritation and may be painful. **SKIN:** Prolonged or repeated contact causes defatting and cracking of the skin. **INGESTION:** Harmful if swallowed. Aspiration hazard causes burns to mouth and throat.

### Emergency and First Aid Procedures

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or if breathing is difficult, give oxygen. Get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, do NOT induce vomiting. Call physician immediately. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X Open flame, excessive temperature and heat.

Incompatibility (Materials to Avoid)	Strong alkalis, oxidizers, alkali metals, metallic fines or powders, acetone, aluminum, disilane and magnesium.
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Hazardous Decomposition Products	Phosgene, Hydrogen chloride, Chlorine.
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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	Wear suitable protective clothing, absorb spilled material on vermiculite, sand, ground. Place in a fiber carton and incinerate. Wash spill area well with soap and water.
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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.
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## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Work in fume hood. If needed wear a NIOSH/MSHA-approved respirator.		
Ventilation	Local Exhaust	Recommended.	Special
	Mechanical (General)	Recommended.	Other
			No.
Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.

Other Protective Equipment	Goggles and shield, lab coat and apron, vented hood, proper gloves, eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool place, preferably not above 30°C (86°F). Wash thoroughly after handling. Avoid breathing vapor. Avoid contact with eyes, skin, clothing. Remove and wash contaminated clothing. <small>Keep container tightly closed when not in use.</small>
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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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Laboratory studies have shown that this compound produces cancer in animals. Handle as a suspected carcinogen. Chronic exposure may cause embryo-fetal injury.

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

Revision	No. 6	Date	2/4/99	Approved	Michael Raszeja	Chemical Safety Coordinator	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

Product	CHLOROFORM
Chemical Synonyms	Trichloromethane
Formula	CHCl <sub>3</sub>
Unit Size	up to 20 Lt.
C.A.S. No.	67-66-3

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

**HEALTH** 3  
**FIRE** 0  
**REACTIVITY** 1

**HMIS \***  
3 4

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

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Chloroform	100%	See Section V.

<b>DANGER!</b> <b>POISON</b> <b>SUSPECTED CARCINOGEN.*</b>	<b>HARMFUL IF</b>
<b>INHALED OR SWALLOWED. CAN CAUSE EMBRYO-FETAL INJURY. EXERCISE DUE CARE.</b>	

## SECTION III PHYSICAL DATA

Melting Point (°F)	Data not listed.	Specific Gravity (H <sub>2</sub> O = 1)	1.48 @ 25/25°C
Boiling Point (°F)	61.1°C (142°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	160 mm @ 20°C	Evaporation Rate (Ether = 1)	0.56
Vapor Density (Air=1)	4.13		
Solubility in Water	Slight (0.8 gm/100 gm @ 25°C).		
Appearance & Odor	Clear, colorless liquid; mildly sweet odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Use any media suitable for extinguishing the supporting fire.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved, self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition, emits toxic, suffocating vapors and corrosive decomposition products; it emits highly toxic fumes of phosgene.

D.O.T. CHLOROFORM, 6.1, UN 1888, PG III

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