



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

221 Rochester Street
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MSDS No.: CC0275
Effective Date: January 1, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Chloroform
Chemical Synonyms	Trichloromethane
Formula	CHCl ₃
Unit Size	up to 20 Lt.
C.A.S. No.	67-66-3

 NFPA HAZARD RATING MINIMAL SLIGHT MODERATE SERIOUS SEVERE 0 1 2 3 4	CHEMTREC 800-424-9300 Day 585-226-6177	<table border="1"> <tr> <td>Health</td> <td>3</td> </tr> <tr> <td>Fire</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table>	Health	3	Fire	0	Reactivity	1
	Health	3						
Fire	0							
Reactivity	1							
		HMIS*						

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Chloroform	100%	TWA: 10 ppm

WARNING!

HARMFUL IF INHALED OR SWALLOWED. CAN CAUSE EMBRYO-FETAL INJURY. SUSPECTED CARCINOGEN.*

SECTION III PHYSICAL DATA

Melting Point (°F)	Data not listed.	Specific Gravity (H ₂ 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 (=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.	Flammable Limits in Air % by Volume	N/A	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.

(2004 EMERGENCY RESPONSE GUIDEBOOK, RSPA 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, UN1888, PG III

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

SECTION V HEALTH HAZARD DATA CC0275

Threshold Limited Value ACGIH 2001: TWA: 10 ppm. OSHA: TWA: 2 ppm, RTECS REF. No.: FS9100000 Carcinogenic Review: Animal positive. Human suspected.

Effects of Overexposure Suspect cancer hazard. **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. Risk of cancer depends on level and duration of exposure. Target organs: Liver, kidneys, central nervous system.

Emergency and First Aid Procedures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid) Strong alkalis, oxidizers, alkali metals, metallic fines or powders, acetone, aluminum, disilane and magnesium.

Hazardous Decomposition Products Phosgene, hydrogen chloride, chlorine.

Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

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.

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)	Work in fume hood. If needed wear a NIOSH/MSHA-approved respirator.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	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.			

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.

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

Laboratory studies have shown that this compound produces cancer in animals. Handle as a suspected carcinogen. Chronic exposure may cause embryo-fetal injury.

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Revision No. 7	Date 01/01/07	Approved	James A. Bertsch	Chemical Safety Coordinator	JAB
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