# MATERIAL SAFETY DATA SHEET

**ALDON CORPORATION**

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**MSDS No.:** CC0275
**Effective Date:** January 1, 2007

## SECTION I NAME

**Product:** Chloroform

**Chemical Synonyms:** Trichloromethane

**Formula:** CHCl₃

**Unit Size:** up to 20 L

**C.A.S. No.:** 67-66-3

## SECTION II INGREDIENTS OF MIXTURES

### Principal Component(s)

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
<th>TLV Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chloroform</td>
<td>100%</td>
<td>TWA: 10 ppm</td>
</tr>
</tbody>
</table>

## SECTION III PHYSICAL DATA

**Melting Point (°F):** Data not listed.

**Boiling Point (°F):** 61.1°C (142°F)

**Vapor Pressure (mm Hg):** 160 mm @ 20°C

**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)

**Extinguisher Media:** Non-combustible. Use any media suitable for extinguishing the supporting fire.

### Flame Limit

<table>
<thead>
<tr>
<th>Flammable Limits in Air</th>
<th>Lower</th>
<th>Upper</th>
</tr>
</thead>
<tbody>
<tr>
<td>% by Volume</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Extinguisher

<table>
<thead>
<tr>
<th>Media</th>
<th>NFPA</th>
<th>HAZARD RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>MINIMAL SLIGHT MODERATE SERIOUS SEVERE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 1 2 3 4 5</td>
</tr>
</tbody>
</table>

**CHEMTREX 800-424-9300** Health 3

**Day 585-226-6177** Fire 0

**Reactivity 1**

**HMFIS *:**

### 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. S800.7, GUIDE PAGE NO. 151)

## SECTION V HEALTH HAZARD DATA

### Threshold Limited Value

**AcGIH 2001:** TWA: 10 ppm.

**OSHA:** TWA: 2 ppm.


### 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:** In contact with skin, causes irritation and cracking of the skin. **INHALATION:** Harmful if inhaled. 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

### Reactivity Conditions to Avoid

Open flame, excessive temperature and heat.

### Incompatibility

(Materials to Avoid)

Strong alkalies, oxidizers, alkali metals, metallic fumes or powders, acetone, aluminum, disilane and magnesium.

### Hazardous Decomposition Products

Phosgene, hydrogen chloride, chlorine.

### Hazardous Polymerization

**Conditons to Avoid:** Not applicable.

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### Hazardous Polymerization

**Conditons to Avoid:** 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.

**Protective Gloves:** Rubber. Other Protective Equipment

**Eye Protection:** Chemical safety glasses.

### Precautions to be Taken in Handling & Storing

- Keep container tightly closed when not in use. 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.

### Other Precautions

- 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.

## SECTION IX SPECIAL PRECAUTIONS

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

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