



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. BB 203  
Effective Date January 28, 1999

## SECTION V

## HEALTH HAZARD DATA

BB 203

### Threshold Limited Value

ACGIH (1992-93): TWA 0.5 ppm, 5.2 mg/m<sup>3</sup>

### Effects of Overexposure

**INGESTION/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, 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.

### Emergency and First Aid Procedures

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. 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  
Stable

### Conditions to Avoid

Open flame, excessive temperature and heat.

### Incompatibility (Materials to Avoid)

Strong alkalis, oxidizers, alkali metals, metallic fines or powders, acetone, aluminum and magnesium.

### Hazardous Decomposition Products

Thermal decomposition may include toxic and corrosive fumes of bromides and oxides of carbon.

### Hazardous Polymerization

### Conditions to Avoid

May Occur  
Will Not Occur

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 or contract with a licensed disposal service.

## SECTION VIII

## SPECIAL PROTECTION INFORMATION

### Respiration Protection (Specify Type)

Work in fume hood. If needed wear a NIOSH/MSHA-approved respirator.

### Ventilation

Local Exhaust  
Mechanical (General)

Recommended.  
Recommended.

Special  
Other

No.  
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, 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.

Avoid breathing vapor. Use with adequate ventilation. Avoid contact with eyes, skin, clothing. Remove and wash contaminated clothing.

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

### Revision No. 2

Date 1/28/99

### Approved

Michael Raszeja

Chemical Safety Coordinator

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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	BROMOFORM
Chemical Synonyms	Tribromomethane
Formula	CHBr <sub>3</sub>
Unit Size	up to 20 Lt.
C.A.S. No.	75-25-2

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

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

HMIS \*  
Health 3  
Fire 0  
Reactivity 1

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Bromoform: (CAS No. 75-25-2)	96%	TWA: 0.5 ppm, 5.2 mg/m <sup>3</sup>
Ethyl alcohol: (CAS No. 64-17-5)	4%	TWA: 1000 ppm, 1880mg/m <sup>3</sup>
<b>DANGER! LACHRYMATOR. TOXIC. HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	8°C (46°F)	Specific Gravity (H <sub>2</sub> O = 1)	2.889 @ 20°/4°C
Boiling Point (°F)	150°C (302°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	5 mm Hg @ 20°C	Evaporation Rate (Ether = 1)	0.56
Vapor Density (Air=1)	8.7		
Solubility in Water	0.1%		
Appearance & Odor	Colorless to yellow liquid; chloroform-like odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
Extinguisher Media	Use dry chemical, carbon dioxide, water spray, fog, regular foam.				

### 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. 159)

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Negligible fire hazard.  
When heated to decomposition may release irritating vapors.

D.O.T. Bromoform, 6.1, UN 2515, PG III

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