



ALDON CORPORATION

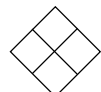
MATERIAL SAFETY DATA SHEET

221 Rochester Street
Avon, New York 14414-9409
(585) 226-6177

MSDS No.: BB0155
Effective Date: January 1, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Boric Acid
Chemical Synonyms	Boracic Acid
Formula	H ₃ BO ₃
Unit Size	100 grams to 2.5 Kg.
C.A.S. No.	10043-35-3



CHEMTREC
800-424-9300
Day 585-226-6177

Health	2
Fire	0
Reactivity	0

NFPA

HAZARD RATING				
MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE
0	1	2	3	4

HMIS*

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Boric acid	100%	See Section V.
WARNING! HARMFUL IF SWALLOWED.		

SECTION III PHYSICAL DATA

Melting Point (°F)	171°C (365°F) decomposes	Specific Gravity (H ₂ O = 1)	1.4
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	Non-volatile.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	Not applicable.
Vapor Density (Air=1)	Unknown.		
Solubility in Water	5.6 grams dissolves in 100 mL. of water at room temperature.		
Appearance & Odor	White crystalline solid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable solid.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	None - product inherent fire retardant.				

SPECIAL FIREFIGHTING PROCEDURES

Use any media suitable for extinguishing supporting fire. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products of Boron.

SECTION V HEALTH HAZARD DATA

BB0155

Threshold Limited Value RTECS No. ED4550000 Toxicity data: orl-wmn LDLo: 200 mg/kg, orl-inf LDLo: 934 mg/kg. 10 mg/m³ for Boron oxide. (ACGIH 1992-93).

Effects of Overexposure **INGESTION OR ABSORPTION:** May cause nausea, vomiting, diarrhea, abdominal cramps. Death has occurred from less than 5 grams in infants and from 5 to 20 grams in adults. **CAUTION:** Several cases of fatal poisoning have occurred following its absorption from granulating wounds and abraded skin areas. May cause CNS effects, liver/kidney disorders. Target organs: Kidneys, circulatory and central nervous systems.

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	Excessive temperature and heat. Loses water when heated above 100°C.
	Stable	X		

Incompatibility (Materials to Avoid) Acetic anhydride, potassium and heat sources.

Hazardous Decomposition Products None specifically known; dust containing Boron compounds.

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 Sweep up and place in a suitable container for proper disposal. Wash spill area 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.

Dissolve in water and flush to sewer with copious amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Safety glasses, lab coat, vented hood, proper gloves, and eye wash station.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a dry place. 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. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Avoid contact with eyes and abraded skin. Avoid breathing dust. Use with adequate ventilation. Remove and wash contaminated clothing.

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

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.

D.O.T. Non Regulated

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