



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

221 Rochester Street
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(585) 226-6177

MSDS No.: EE0066
Effective Date: January 5, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Ethidium Bromide Stock Solution
Chemical Synonyms	N/A
Formula	Mixture.
Unit Size	up to 3.785 Lt.
C.A.S. No.	Mixture.



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
Ethidium bromide: (CAS No. 1239-45-8)	1.0%	None established.
EDTA (Ethylenediaminetetraacetic acid): (CAS No. 60-00-4)	0.03%	None established.
Tris tromethamine: (CAS No. 77-86-1)	0.075%	None established.
Water: (CAS No. 7732-18-5)	99.89%	None established.

DANGER! POISON!

MAY BE HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN.

SECTION III PHYSICAL DATA

Melting Point (°F)	Approx. 0°C (32°F)	Specific Gravity (H ₂ O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	99.89%
Vapor Pressure (mm Hg)	14 (Water)	Evaporation Rate (Water =1)	< 1%
Vapor Density (Air=1)	0.7 (Water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, red liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions wear appropriate 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. 153)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products. Can react with strong oxidizing materials.

SECTION V HEALTH HAZARD DATA

EE0066

Threshold Limited Value	None established for this mixture. (ACGIH 2001). Ethidium bromide: Oral-rat: LD50: 1503 mg/kg
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Effects of Overexposure	SKIN: May cause skin irritation. May be harmful if absorbed through skin. EYES: May cause irritation. INHALATION: Material may be irritating to mucous membranes and upper respiratory tract. Toxic if inhaled. INGESTION: May be harmful if swallowed. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Target organs: None known.
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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.
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SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature to cause evaporation.
	Stable	X		

Incompatibility (Materials to Avoid)	Strong oxidizing materials.
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Hazardous Decomposition Products	Carbon oxides, nitrogen oxides, hydrogen bromide gas.
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Hazardous Polymerization	Conditions to Avoid	Not applicable.
May Occur	Will Not Occur	
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Wear protective safety equipment. Absorb spill with an inert dry material, sweep up and place in a suitable container for proper disposal. Wash spill area 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. Contact a licensed professional waste disposal service to dispose of this material.
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SECTION VIII SPECIAL PROTECTION INFORMATION

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

Other Protective Equipment	Faceshield, lab coat, apron, eye wash station, proper gloves.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry area. Avoid inhalation of vapors and/or mist. Wash thoroughly after handling.
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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.
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Avoid contact with skin, eyes and clothing. Use adequate ventilation. Remove and wash contaminated clothing.

Revision No.	2	Date	01/05/07	Approved	James A. Bertsch	Chemical Safety Coordinator	JAB
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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.

D.O.T. Toxic, liquids, organic, n.o.s., (Ethidium bromide), 6.1, UN2810, PG III

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