



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. PP 411
Effective Date April 15, 1999

SECTION V HEALTH HAZARD DATA

PP 411

Threshold Limited Value None established (ACGIH 1992-93).

Effects of Overexposure
May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available.

Emergency and First Aid Procedures
INGESTION: If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INHALATION AS MIST:** Remove to fresh air. If illness or discomfort develops, get medical attention.

SECTION VI REACTIVITY DATA

Stability
Unstable: Stable:
Conditions to Avoid Excessive temperature and heat to cause evaporation.

Incompatibility (Materials to Avoid) Avoid contact with strong acids or strong oxidants.

Hazardous Decomposition Products Thermal decomposition or burning may produce hydrogen bromide gas and/or bromine gas.

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

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
Absorb with an inert dry material and place in an appropriate container for proper disposal. Wash spill area thoroughly 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. Solutions resulting from flushing spills or leaks can safely be disposed of through sewage systems except where local regulations do not permit such disposal.

SECTION VIII SPECIAL PROTECTION INFORMATION

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

Ventilation
Local Exhaust: Not needed: Special: No.
Mechanical (General): Not needed: Other: No.

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

Other Protective Equipment Lab coat, apron, eye wash station, proper gloves.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
Store in a cool 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.
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 4/15/99 Approved Michael Raszeja Chemical Safety Coordinator MR

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SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

| | | |
|--------------------------|--------------------------------------|---|
| Product | POTASSIUM BROMIDE 0.1 MOLAR SOLUTION | CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * Health 1 Fire 0 Reactivity 0 |
| Chemical Synonyms | Potassium Bromide Aqueous Solution | |
| Formula | Mixture. | |
| Unit Size | up to 3.785 Lt. | |
| C.A.S. No. | Mixture. | |

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
|--|--------|-------------------|
| Potassium Bromide: (CAS No. 7758-02-3) | 1.19% | None established. |
| Water: (CAS No. 7732-18-5) | 98.81% | None established. |

CAUTION! MAY BE HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

| | | | |
|------------------------|---|---|-------------|
| Melting Point (°F) | Freezes 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 (%) | 98.91% |
| 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, water white, water like liquid; no odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

| | | | | | |
|----------------------------------|----------------|--|-----|-------|-------|
| Flash Point (Method Used) | Non-flammable. | Flammable Limits in Air % by Volume | N/A | Lower | Upper |
|----------------------------------|----------------|--|-----|-------|-------|

Extinguisher Media Use any media suitable for extinguishing supporting fire.

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions, water may evaporate from this solution, which may cause hazardous decomposition products to be produced as dust or fume.

D.O.T. NON-REGULATED.

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