



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. PP 500
Effective Date April 19, 1999

SECTION V HEALTH HAZARD DATA

PP 500

Threshold Limited Value

Not established. (ACGIH 1992-93).

Effects of Overexposure

Excessive contact may cause eye irritation, or minor skin or respiratory irritation. **INGESTION:** Generally recognized as not being a hazard. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

SKIN: Flush with soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists. **INGESTION:** None indicated. **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 |
|-----------|----------|-----------------------------------|
| | Stable | X Excessive temperature and heat. |

| Incompatibility (Materials to Avoid) | Strong oxidizers. |
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| Hazardous Decomposition Products | Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide. |
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| Hazardous Polymerization | | Conditions to Avoid |
|--------------------------|----------------|---------------------|
| May Occur | Will Not Occur | Not applicable. |
| | X | |

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. |
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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. Dissolve in water and flush to sewer with copious amounts of water or if uncontaminated, material may be disposed of in a sanitary landfill. |
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SECTION VIII SPECIAL PROTECTION INFORMATION

| | | | | |
|--|--|--------------|----------------|--------------------------|
| Respiration Protection (Specify Type) | None needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved dust mask. | | | |
| Ventilation | Local Exhaust | Not needed. | Special | No. |
| | Mechanical (General) | Recommended. | Other | No. |
| Protective Gloves | Rubber. | | Eye Protection | Chemical safety glasses. |

| Other Protective Equipment | Goggles, smock, 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 place away from strong oxidizing materials or fire hazards. 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. |
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Remove and wash contaminated clothing.

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

| Revision | No. 4 | Date | 4/19/99 | Approved | Michael Raszeja | Chemical Safety Coordinator | MR |
|--|-------|------|---------|----------|-----------------|-----------------------------|----|
| 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 | POTASSIUM CITRATE |
|-------------------|---|
| Chemical Synonyms | Potassium Citrate |
| Formula | HOC(CH ₂ COOK) ₂ CO ₂ K•H ₂ O |
| Unit Size | up to 2.5 Kg. |
| C.A.S. No. | 6100-05-6 |

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

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

| Health | 0 |
|------------|---|
| Fire | 0 |
| Reactivity | 0 |

HMIS *

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
|--------------------------------|------|-------------------|
| Potassium Citrate | 100% | None established. |
| CAUTION! MAY CAUSE IRRITATION. | | |

SECTION III PHYSICAL DATA

| | | | |
|------------------------|--|---|--------------|
| Melting Point (°F) | 230°C (446°F) decomposes | Specific Gravity (H ₂ O = 1) | 1.98 at 20°C |
| Boiling Point (°F) | Decomposes. | Percent Volatile by Volume (%) | N/A |
| Vapor Pressure (mm Hg) | Negligible as solid. | Evaporation Rate (≈1) | N/A |
| Vapor Density (Air=1) | Data not listed. | | |
| Solubility in Water | 90 grams per 100 mL. water at 20°C. | | |
| Appearance & Odor | White granules or crystalline powder; 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 | Water spray; carbon dioxide (CO ₂); dry chemical. | | | | |

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.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

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