



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. CC 294
Effective Date February 4, 1999

SECTION V HEALTH HAZARD DATA

CC 294

Threshold Limited Value

None established for this solution. (ACGIH 1992-93).

Effects of Overexposure

This product may cause irritation to eyes and skin. If inhaled as mist, may cause respiratory tract irritation. Exposure to certain soluble chromic acid salts have been reported to cause an allergic skin rash. **INHALATION AS MIST:** May cause coughing, headache, dyspnea and fever. May also cause tracheobronchial irritation and pulmonary edema.

Emergency and First Aid Procedures

INGESTION: If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting and call physician immediately. 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 immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INHALATION AS MIST:** Remove to fresh air. If discomfort or illness develops, get medical attention.

SECTION VI REACTIVITY DATA

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

| Incompatibility (Materials to Avoid) | Aluminum and magnesium metals. Easily oxidizable materials, e. g. Esters. |
|--------------------------------------|---|
|--------------------------------------|---|

| Hazardous Decomposition Products | Thermal decomposition or burning may produce oxides of nitrogen and chromium dust or fume. |
|----------------------------------|--|
|----------------------------------|--|

| Hazardous Polymerization | Conditions to Avoid | Not applicable. |
|--------------------------|---------------------|-----------------|
| | | |
| | X | |

SECTION VII SPILL OR LEAK PROCEDURES

| Steps to be taken in case material is released or spilled | Absorb spill with an inert dry material 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. Dispose of in an approved chemical landfill or contract with a licensed waste disposal service.

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 required. | Special | No. |
|-------------|----------------------|---------------|---------|-----|
| | Mechanical (General) | Not required. | 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. |
|-------------------|---|
|-------------------|---|

Avoid contact with skin or eyes. Avoid inhalation as mist. 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 | 2/4/99 | 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 | CHROMIUM NITRATE 0.1 MOLAR SOL'N |
|-------------------|------------------------------------|
| Chemical Synonyms | Chromium Nitrate, Aqueous Solution |
| Formula | Mixture. |
| Unit Size | up to 4 Lt. |
| C.A.S. No. | Mixture. |

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

| | |
|------------|---|
| Health | 1 |
| Fire | 0 |
| Reactivity | 1 |

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

HMIS *

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
|--|--------|-------------------|
| Chromium Nitrate: (CAS No. 13548-38-4) | 2.38% | None established. |
| Water: (CAS No. 7732-18-5) | 97.62% | None established. |

WARNING! MAY CAUSE IRRITATION.

MAY BE HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

| | | | |
|------------------------|---|---|-------------|
| Melting Point (°F) | Freezes below 0°C (32°F) | Specific Gravity (H ₂ O = 1) | Approx. 1.0 |
| Boiling Point (°F) | Approx. 100°C (212°F) (water) | Percent Volatile by Volume (%) | 97.62% |
| 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