



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. PP 521
Effective Date March 20, 1997

SECTION V

HEALTH HAZARD DATA

PP 521

Threshold Limited Value

None established for this mixture. ACGIH 1992-93

Effects of Overexposure

INHALATION: Dust causes severe irritation of the upper respiratory tract. Prolonged or repeated exposures can result in perforation of the nasal septum and discoloration of teeth. **EYES:** Causes burns. **SKIN:** Causes burns and ulceration of skin wounds. Repeated contact may result in an allergic skin reaction. **INGESTION:** May be harmful if swallowed.

Emergency and First Aid Procedures

INGESTION: If conscious, give one or two glasses of water to drink. Induce vomiting. Repeat until vomit fluid is clear. Follow with milk of magnesia, beaten eggs, or vegetable oil. Call a physician immediately. **INHALATION AS MIST:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Immediately flush eyes with plenty of water for at least 15 minutes and get prompt medical attention. **SKIN:** Immediately flush with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes.

SECTION VI

REACTIVITY DATA

Stability

Unstable
Stable

Conditions to Avoid

Excessive temperature and heat. Excessive temperature to cause evaporation.

Incompatibility (Materials to Avoid)

Reducing agents-reaction can be violent. Acetone; sulfuric acid; hydrazine; hydroxylamine; slaked lime.

Hazardous

Decomposition Products

Potassium chromate, chromic sesquioxide and oxygen gas.

Hazardous Polymerization

Conditions to Avoid

May Occur

Will Not Occur

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, sweep up and place in 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 should be needed in normal laboratory handling. If misty conditions prevail, use an approved NIOSH/MSHA 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, ventilation hood.

SECTION IX

SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Keep container tightly closed when not in use.

Store in a cool place. Wash thoroughly after handling. Remove and wash contaminated clothing.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

NOTE: Hexavalent chromium compounds in the form of chromates and dichromates have been found to be mutagenic in bacterial and mammalian cells, including those of the chinese hamster. Recent studies indicate a significant risk of lung cancer among long-term employees of the chromate-producing industry.

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

Revision

No. 1

Date

3/20/97

Approved

Michael Raszeja

Chemical Safety Coordinator

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SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	POTASSIUM DICHROMATE, 0.1 MOLAR SOLUTION
Chemical Synonyms	Potassium Dichromate Aqueous Solution
Formula	Mixture.
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture.

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

Health	2
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
Potassium Dichromate: (CAS No. 7778-50-9)	2.9%	See Section V.
Water: (CAS No. 7732-18-5)	97.1%	None established.
WARNING! MAY BE HARMFUL IF SWALLOWED. CONTACT		
MAY CAUSE IRRITATION, RASH OR EXTERNAL ULCERS.		

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 (%)	97.1%
Vapor Pressure (mm Hg)	14 (water).	Evaporation Rate (Water = 1)	Slightly less than 1.
Vapor Density (Air=1)	0.7 (water).		
Solubility in Water	Complete.		
Appearance & Odor	Clear, yellow, water solution; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	NA	Lower	Upper
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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. Water runoff may contain hexavalent chromium and should not be allowed to enter sewers or waterways.

UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions resulting in the evaporation of the water solution, Potassium Dichromate is an active oxidizing material. In contact with easily oxidizable substances it may react rapidly enough to cause ignition, violent combustion or explosion. Increases the flammability of any combustible substance. Yields toxic fumes of chromium when involved in fire. Water runoff may contain hexavalent chromium and should not be allowed to enter sewers or waterways. Use a NIOSH/MSHA-approved, self-contained breathing apparatus if exposure to chromium dust or mist is possible.

D.O.T. NON-REGULATED.

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