



MSDS

P.O. Box 329 - 802 Washington Avenue Chestertown, MD 21620 - USA

MATERIAL SAFETY DATA SHEET

TELEPHONE # FOR INFORMATION 410 778-3100

24 HOUR EMERGENCY NUMBER (CHEM-TEL): USA, Canada, Puerto Rico 800-255-3924;

Outside North American Continent 813-248-0585 (call Collect)

1. Product Identification

Product Code: 4504

Product Description: Chloride Reagent #1

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7789-00-6 Potassium Chromate	5	0.5 mg/cubic m as CrO3	0.05 mg/cubic m as Cr
Yes	7761-88-8 Silver Nitrate	<0.1	0.01 mg/cubic m as Ag	0.01 mg/cubic m as Ag
No	7732-18-5 Water	to 100%		

3. Hazards Overview

Primary Route Of Entry: Eye Skin Ingestion

Toxic, irritant, sensitizer. Harmful if swallowed. Irritation of skin and gastrointestinal tract.

HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 2 Flammability: 0 Reactivity: 0

Carcinogenicity: Yes: IARC NTP OSHA

Other Health Related Comments:

IARC-23,205,80 Warning! Product contains potassium chromate, a chemical known to the state of California to cause cancer.

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4. First Aid Measures

Eye Contact: Flush thoroughly with water for 15 minutes.

Skin Contact: Flush with water. Remove affected clothing and wash skin with soap and water.

Ingestion: Induce vomiting. Consult a physician immediately.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Not a fire hazard

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazard: N/A

6. Accidental Release Measures

Absorb spilled liquid on inert sorbent materials (e.g. spill pads). Shovel waste into clean, dry container and cover. Flush spill area with water. Send waste to approved hazardous waste landfill or incinerator.

7. Handling & Storage

Store tightly closed in cool, dry place out of direct sunlight. Keep out of reach of children.

8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Eye Protection Gloves Lab Coat

Work/Hygenic Practices: Avoid contact with skin and clothing. Wash after handling.

9. Physical & Chemical Properties

Appearance: Clear Yellow Liquid

Solubility In Water: Soluble

Odor: None

pH: 9

Vapor Density: <1 (Air=1)

Vapor Pressure: <17 mm Hg @ 20 deg C

Boiling Point: ca. 101 deg C

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat, light

Incompatibility (Materials To Avoid): N/A

Hazardous Decomposition Products: N/A

11. Toxicological Information

Oral mouse LD50: 180 mg/kg for potassium chromate solid (toxic).

Target Organs: Blood Eyes GI System Kidney Liver Lung Skin

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Do not flush solutions containing chromates (hexavalent chromium) to sewer. Dispose of as hazardous waste according to federal, state and local regulations.

14. Transportation Information

Not Regulated For Transport

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	7789-00-6 Potassium Chromate	Yes	Yes	Yes	No	Yes	Yes
Yes	7761-88-8 Silver Nitrate	Yes	Yes	Yes	No	Yes	Yes
No	7732-18-5 Distilled Water	Yes	Yes	Yes	No	Yes	Yes

Federal, State, & International Regulations

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA 261.33	TSCA 8(D)
	RQ	TPQ	Listed	Chemical Category			
7789-00-6 Potassium Chromate	No	No	No	Chromium comp	10	No	No
7761-88-8 Silver Nitrate	No	No	No	Silver comp	1	No	No
7732-18-5 Distilled Water	No	No	No	No	No	No	No

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--- SARA 311/312 ---

----- Australia -----

Hazard Categories

**Hazchem
Code**

**Poison
Schedule**

**This MSDS Is
WHMIS Compliant**

Ingredient **Acute** **Chronic** **Fire** **Pressure** **Reactivity**

7789-00-6 Potassium Chromate	Yes	Yes	Yes	No	Yes	None Allocated	S6	
7761-88-8 Silver Nitrate	Yes	Yes	No	No	Yes	2X	S6	
7732-18-5 Distilled Water	No	No	No	No	No	None Allocated	None Allocated	
product 4504 as a whole	Yes	Yes	No	No	No	None Allocated	S5	Yes

16. Other Information

Prepared By: IP, Regulatory Affairs Department

Revised: 7/3/2007
