



# 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.

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#### **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

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#### **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.

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#### **7. Handling & Storage**

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

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## **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.

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## **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

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat, light

**Incompatibility (Materials To Avoid):** N/A

**Hazardous Decomposition Products:** N/A

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## **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	
<b>product 4504 as a whole</b>	Yes	Yes	No	No	No	None Allocated	S5	Yes

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**16. Other Information**

**Prepared By:** IP, Regulatory Affairs Department

**Revised:** 7/3/2007

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