



**COLUMBUS CHEMICAL INDUSTRIES INC.**

P.O. BOX 8  
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**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

**U.S. Department of Labor**

Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

**IDENTITY** (as Used on Label and List)

**Potassium Chromate**

**Note:** Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries, Inc.

N4335 Temkin Road

Columbus, Wisconsin 53925

Emergency Telephone Number

CHEMTREC 1 (800) 424-9300

Telephone Number for Information

(920) 623-2140

Date Prepared

6-13-2006

Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Potassium Chromate*	7789-00-6	0.5 ug/m <sup>3</sup>	0.01mg/m <sup>3</sup> Cr	0.001 mg/m <sup>3</sup> REL	
Action Level					
1 ug/m <sup>3</sup> TWA					

\*Regulated under OSHA 1910.1026

**Section III - Physical/Chemical Characteristics**

Boiling Point	Not available.	Specific Gravity (H <sub>2</sub> O = 1)	Not available.
Vapor Pressure (mm Hg)	Not applicable	Melting Point	975°C (1787°F)
Vapor Density (AIR = 1)	Not available	Evaporation Rate (Butyl Acetate = 1)	Not available.

Solubility in Water

Soluble

Appearance and Odor

Yellow crystals

**Section IV Fire and Explosion Hazard Data**

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Not flammable		Not applicable	Not applicable

Extinguishing Media

Water spray, dry chemical, carbon dioxide, alcohol foam. Use methods appropriate for surrounding fire.

Special Fire Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece respirator operated in positive pressure mode. Cool fire-exposed containers.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

**Section V Reactivity Data**

Stability	Unstable		Conditions to Avoid	Excessive heat, incompatible
	Stable	X	materials	

**Incompatibility Materials to Avoid**

Combustible materials, strong reducing agents, light.

**Hazardous Decomposition or Byproducts**

Potassium oxides, Chromium oxides, carbon oxides.

**Hazardous Polymerization****Conditions to Avoid**

	May Occur		Not applicable.
	Will Not Occur	X	

**Section VI Health Hazard Data**

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

**Health Hazards (Acute and Chronic)**

SKIN: Causes irritation. EYES: Causes eye irritation. INHALATION: Causes irritation to mucous membranes and upper respiratory tract. INGESTION: Harmful and may be fatal if swallowed. Toxic effects may not be immediately detected.

Chronic: Kidney or liver damage. **Known carcinogen - Potassium Chromate.**

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Known - Chromium	Group 1 - Chromium	Yes: 1910.1026

**Signs and Symptoms of Exposure.**

Burning, itching, redness, pain of mucous membranes, skin and eyes. Headache, nausea, vomiting, dizziness, drowsiness, weakness, edema, chest pains, gastrointestinal disturbances, difficulty breathing. SKIN/EYES: Itchiness, redness, pain, swelling,

**Medical Conditions Generally Aggravated by Exposure**

Unknown

**Emergency and First Aid Procedures**

INGESTION: If swallowed, wash out mouth with water provided person is conscious,

Call physician immediately. EYES: Immediately flush with large amounts of water for at least

20 minutes. Call a physician. INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen. Call physician. SKIN: Immediately wash skin with soap and large amounts of water.

**Section VII Precautions for Safe Handling and Use****Steps to be Taken in Case Material is Released or Spilled**

Evacuate personnel from area. Wear chemical-resistant goggles, rubber boots, respirator, apron and rubber gloves. Carefully sweep up and hold for waste disposal. Avoid contact, inhalation and ingestion. Ventilate area and wash spill site after material pickup is complete. Prevent release to environment.

**Waste Disposal Method** Dispose of spillage, empty containers and other materials used for cleanup in compliance with all applicable Federal, state and local regulations. U170 and D007 RCRA waste codes.

**Precautions to be Taken in Handling and Storing** Keep in tightly closed plainly-labelled containers, stored in a cool, dry, ventilated area. Protect against physical damage, air and light. Maintain adequate ventilation. Store below 80 °F (27 °C). Do not breathe or ingest. Avoid contact with skin or eyes. Wash thoroughly after handling.

**Other Precautions** Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and containers as if they were full. Avoid raising dust. **DO NOT INGEST!**

**Section VII Control Measures**

**Respiratory Protection (Specify Type)** NIOSH/MSHA-approved respirator with dust/mist cartridge if high amounts of dust or fume.

Ventilation	Local Exhaust	Necessary.	Special	Eye wash nearby.
	Mechanical (General)	Recommended.	Other	Safety shower nearby.

**Protective Gloves** Appropriate chemical resistant gloves. **Eye Protection** Chemical goggles.

**Other Protective Clothing or Equipment** Chemical-resistant boots and apron.

**Work /Hygienic Practices** Contact lenses should not be worn when working with this material. Avoid eye and skin contact. Do not breathe vapors. Wash thoroughly after handling. Avoid prolonged or repeated exposure.

Maintain eye wash station and quick-drench facilities in work area. **CARCINOGEN!**

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