



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
 COLUMBUS, WISCONSIN 53925-0008
 (920) 623-2140
 FAX (920) 623-2577

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)

Sodium Chromate, Tetrahydrate

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

P.O. Box 8, N4335 Temkin Rd.

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

3-3-2006

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)
Sodium Chromate, tetrahydrate* **	10034-82-9	0.5 ug/m ³	0.01 mg/m ³	0.001mg/m ³	
		Action Level		REL	
		1 ug/m ³ TWA			

*SYNONYMS: Chromic acid, Chromium Sodium oxide, Disodium Chromate

**Regulated under OSHA 1910.1026

Section III - Physical/Chemical Characteristics

Boiling Point	Not available	Specific Gravity (H ₂ O = 1)	2.723
Vapor Pressure (mm Hg)	Not available	Melting Point	792 °C
Vapor Density (AIR = 1)	Not available	Evaporation Rate (Butyl Acetate = 1)	Not available

Solubility in Water

87g/100mL

Appearance and Odor

odorless, yellow crystals

Section IV Fire and Explosion Hazard Data

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

Extinguishing Media

Use large quantities of water. Dike to contain. Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures

Watch for rapid burning and be prepared to retreat to a safe distance. If yellow, white or brown fumes are present, wear positive pressure breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards

Powerful oxidizing material. May react violently with finely divided, oxidizable substances. Toxic chromium oxide fumes may form during fire.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Avoid contact with organic and other incompatible materials; heat.
	Stable	X		

Incompatibility Materials to Avoid

Organic and combustible materials, strong reducing agents, iodine, hydrazine

Hazardous Decomposition or Byproducts

Sodium oxide, chromium oxide.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		No known conditions.
	Will Not Occur	X	

Section VI Health Hazard Data**Routes of Entry****Inhalation ?****Skin ?****Ingestion ?**

Multiple	Yes	Yes	Yes
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Health Hazards (Acute and Chronic)

Corrosive to skin and eyes, causes burns. May be absorbed through skin, may cause permanent corneal damage or

Inhalation: corrosive to mucous membranes. INGESTION: If swallowed, may cause severe burns to mucous membranes.

Material is a known carcinogen and may cause emphysema, asthma, kidney and liver damage. CARCINOGEN!

Carcinogenicity**NTP****IARC Monographs****OSHA REGULATED?**

	Known	Proven Group 1	Yes 1910.1026
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Signs and Symptoms of Exposure.

INHALATION: Irritation, cough, difficulty breathing, sneezing. SKIN/EYES: Irritation, redness and/or swelling,

itching, burns. INGESTION: Nausea, irritation of esophagus and mouth, gastrointestinal pain. CARCINOGEN!!

Medical Conditions Generally Aggravated by Exposure

Open wounds, burns and areas with mucosal damage.

Emergency and First Aid Procedures

EYES: Flush eyes with large amounts of water for at least 15 minutes, holding eyelids apart. Do

not use chemical antidote. **SEEK MEDICAL ATTENTION.** SKIN: Immediately wash contaminated areas with water. Removecontaminated clothing. INGESTION: **DO NOT** induce vomiting. Wash out mouth with water and give large amounts of water.

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

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

Keep combustibles from spilled material. Do not touch material. Contain spill with dikes,

sand or noncombustible absorbent; do not return spilled material to original container. Transfer to clean metal drum.

Flush spill area with abundant quantities of water. Do not allow release to waterways or sewer.

Waste Disposal Method Observe all federal, state, and local regulations when disposing of this material.

Precautions to be Taken in Handling and Storing

Store in a cool, dry, well-ventilated area in tightly-closed, plainly-labelled containers. Store in a

corrosion-resistant area. Protect against physical damage, light. Maintain adequate ventilation. Do not ingest or

breathe vapors. Protect exposed tissues. Store away from heat and combustible materials.

Other Precautions Avoid storing with oxidizable materials.

Section VII Control Measures

Respiratory Protection (Specify Type) NIOSH/MSHA-approved respirator with dust/mist cartridge.

Ventilation

Local Exhaust Necessary

Special Safety shower nearby.

Mechanical (General) Recommended.

Other Eye wash nearby.

Protective Gloves Appropriate chemical-resistant gloves.

Eye Protection Chemical safety goggles

Other Protective Clothing or Equipment Body covering clothing or plastic apron.

Work /Hygienic Practices Wash exposed areas thoroughly with soap and water after handling. Avoid contact with eyes, skin

and clothing. Avoid prolonged or repeated exposure. Wash contaminated clothing before reuse. Do not wear contact

lenses when handling this product. Do not ingest. Do not breathe vapors. OXIDIZER. CARCINOGEN!

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