



COLUMBUS CHEMICAL INDUSTRIES INC.

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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 Chlorate

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

03-29-2005

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 6 columns: Hazardous Components (Specific Chemical Identity, Common Name(s)), CAS #, OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Row 1: Potassium Chlorate, 3811-04-9, Not Available, Not Available, Not Available, 100%

Section III - Physical/Chemical Characteristics

Table with 2 columns: Property, Value. Rows: Boiling Point (400°C (752°F)), Vapor Pressure (mm Hg) (Not Available), Vapor Density (AIR = 1) (Not Available), Specific Gravity (H2O = 1) (Not Available), Melting Point (368°C (694°F)), Evaporation Rate (Butyl Acetate = 1) (Not Available)

Solubility in Water

Complete.

Appearance and Odor

Colorless to white solid

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Row 1: 400 °C / 752 °F (closed cup), Not applicable, Not Available, Not Available

Extinguishing Media

Use water spray from a distance. DO NOT use fire blankets!

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions. Material is an OXIDIZER. Explodes upon mixing with sulfuric acid.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Flammable, combustible, and incompatible materials.
	Stable	X		

Incompatibility Materials to Avoid

Organic and combustible materials, strong reducing agents, Concentrated sulfuric acid, agricultural chemicals.

Hazardous Decomposition or Byproducts

Hydrogen chloride, potassium oxides, carbon oxides, oxygen.

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 ?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

INHALATION: Airborne dust may irritate and cause damage to respiratory tract. SKIN: Prolonged contact may cause burns. EYES: Causes severe irritation possible burns. INGESTION: If swallowed, may cause irritation to mucous membranes and gastrointestinal tract.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Not listed	Not listed	Not listed

Signs and Symptoms of Exposure.

Contact with skin or eyes may cause irritation, itching, redness, burning. Inhalation or ingestion may cause burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, diarrhea and vomiting.

Medical Conditions Generally Aggravated by Exposure

Expected to aggravate asthma, emphysema, other respiratory diseases and pre-existing dermatological conditions.

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. Remove contaminated 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**

Evacuate unprotected personnel from area. Ventilate area and remove combustible materials from area. Wear self-contained breathing apparatus, rubber boots, heavy protective gloves and chemical safety goggles. Dike spill, absorb on noncombustible absorbant, pickup and hold for disposal. Ventilate area and wash spill site after material pickup is complete.

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-labeled 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 combustible materials. Segregate from flammable and combustible materials, such as easily oxidizable materials including anti-freeze, gasoline and hydraulic fluids.

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. Faceshield.

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.**

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