

MSDS

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: 6000, 6005, 6007, P-264, P-265, P-266, P069840, PX-946, SP069800, SP069840	
Product Identity: POTASSIUM CHROMATE SOLUTIONS	
Manufacturer's Name: RICCA CHEMICAL COMPANY LLC	Emergency Contact(24 hr) -- CHEMTREC® Domestic: 800-424-9300 International: 703-527-3887
CAGE Code: 0V553	
Address: 448 West Fork Dr Arlington, TX 76012	Telephone Number For Information: 817-461-5601
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Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Water, Deionized	7732-18-5	Balance	Not Available	Not Available
			Not Available	Not Available
Potassium Chromate	7789-00-6	2 - 30%	Not Available	Not Available
			Not Available	Not Available

Section 3: Hazard Identification

Emergency Overview: Contains Hexavalent Chromium compound, which is a known carcinogen. May cause irritation to eyes and skin. Wash areas of contact with plenty of water. If ingested, dilute with water. Induce vomiting, then call a physician.

Target Organs: eyes, skin, respiratory system, gastrointestinal system, blood, liver, kidneys.

Eye Contact: May cause irritation, redness, pain, and tearing.

Inhalation: May cause irritation of the respiratory tract. Symptoms may include coughing or shortness of breath.

Skin Contact: May cause slight irritation.

Ingestion: May cause gastroenteritis, severe circulatory collapse, chronic nephritis, and a possibility for liver damage.

Chronic Effects/Carcinogenicity: None

IARC - Potassium Chromate is carcinogenic to humans.

NTP - No.

OSHA - No.

Reproductive Information: Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Potassium Chromate.

Teratology (Birth Defect) Information: Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Potassium Chromate.

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Section 4: First Aid Measures - In all cases, seek qualified evaluation.

Eye Contact: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Skin Contact: Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.

Ingestion: Dilute immediately with water or milk. Induce vomiting. Call a physician.

Section 5: Fire Fighting Measures

Flash Point: Not Available.

Method Used: Not Available.

LFL: Not Available.

UFL: Not Available.

Extinguishing Media: Use any means suitable for extinguishing surrounding fire (Water, water spray, foam, or dry chemical). If using water, do not allow water run off to enter sewer.

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard. Contact with oxidizable substances may cause violent combustion.

Fire Fighting Instructions: Use normal procedures/instructions.

Fire Fighting Equipment: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6: Accidental Release Measures

Do not flush to sewer. Absorb with suitable material. Containerize for disposal with a hazardous waste disposal facility. Dispose of in accordance with local regulations.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

Safety Storage Code: Health

Section 8: Exposure Control/Personal Protection

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

Respiratory Protection: Normal room ventilation is adequate.

Skin Protection: Chemical resistant gloves.

Eye Protection: Safety glasses or goggles.

Section 9: Physical and Chemical Properties

Appearance: Clear, yellow liquid

Odor: Odorless

Solubility in Water: Infinite

Specific Gravity: Approximately 1.0 - 1.2

pH: alkaline

Boiling Point(°C): Approximately 102

Melting Point(°C): Approximately -5

Vapor Pressure: Not Applicable.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatibility: Reducing Agents, organic compounds.

Hazardous Decomposition Products: Toxic fumes of Chromium Trioxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

LD50, Oral, Mouse: 180 mg/kg (Potassium Chromate), details of toxic effects not reported other than lethal dose value. Investigated as a tumorigen.

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Section 12. Ecological Information

Ecotoxicological Information: Chromium (VI) has high acute and chronic toxicity to aquatic life. Insufficient data are available to evaluate the short and long-term effects of Potassium Chromate exposure to plants, birds or land animals.

Chemical Fate Information: Potassium Chromate (specifically Chromium) is highly persistent in water with a half-life of greater than 200 days.

Section 13. Disposal Considerations

Absorb with suitable material (vermiculite, clay, NOT paper or cardboard). Containerize for disposal in a RCRA approved hazardous waste facility. Do not flush to sewer. Always dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

Part Numbers:

This product is not regulated.

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA Status: These items meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA Status: All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

Section 302 Extremely Hazardous Substances: Not Applicable.

Section 311/312 Hazardous Categories: No

Section 313 Toxic Chemicals: Not Applicable.

California: None Reported.

Pennsylvania: Potassium Chromate is listed as an Environmental Hazard on the state's Hazardous Substances List.

RCRA Status: Not Applicable.

CERCLA Reportable Quantity: Potassium Chromate - 10 pounds.

WHMIS: D-2B: Poisonous and Infectious Material. Materials causing other toxic effects - Toxic Material.



Section 16. Other Information

NFPA Ratings:

Health: 2 Flammability: 0 Reactivity: 0 Special Notice Key: None

HMIS Ratings:

Health: 2* Flammability: 0 Reactivity: 0 Protective Equipment: B (Protective Eyewear, Gloves)

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Rev 1, 8-15-2000: (Section 1) added Catalog Numbers 6007 and 6013, removed chloride free from title.

Rev 2, 10-09-2001: Reformatted to electronic data format.

Rev 3, 12-11-2002: (Section 1) added Solutions Plus catalog number P069840.

Rev 4, 01-16-2006: (Section 1) added Red Bird catalog number PX-946; (Section 2) revised concentration range of Potassium Chromate; (Section 9) revised specific gravity range from 1.04 - 1.39.

Rev 5, 06-26-2006: (Section 1) removed catalog numbers 6010 and 6013; (Section 2) revised concentration range of Potassium Chromate from 2 - 60%; (Section 9) revised specific gravity range from 1.01 - 1.39.

Rev 6, 07-24-2006: (Section 1) added Red Bird catalog number P-266.

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.