

CHROMATE INDICATOR

Product: R-0630

Section 1: PRODUCT INFORMATION

Chemical family: Inorganic salt solution.

Product uses: Chemical.

Supplier: Lowry & Associates, div. of Chem-Aquascience, Inc
Canadian Master Distributors for Taylor Technologies, Inc.
4-1151 Gorham Street
Newmarket, ON.
L3Y 8Y1
Tel: 905-836-0505
Fax: 905-895-4539.

Emergency Phone Number: Canutec 613-996-6666.
905-625-9117 (Monday – Friday 9 a.m. – 4 p.m.).

Manufacturer: Taylor Technologies Inc.
31 Loveton Circle
Sparks, MD USA 21152
Tel: 410-472-4340.

TDG classification: Not regulated.

WHMIS classification:

C, D2A, D2B.



DSL status: The substance(s) listed in section 2 appear on the Domestic Substances List.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
7789-00-6	5	POTASSIUM CHROMATE	NOT AVAILABLE	180 MG/KG MOUSE ORAL	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: Balance: water (CAS# 7732-18-5).

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Odourless.
Clear yellow liquid.

Odor threshold (ppm): Not applicable.

Vapour pressure (mmHg): 17

Vapour density (air=1): .6

Volatiles (%)

By volume: 95

Evaporation rate (butyl acetate = 1): Not available.
Boiling point (°C): 212–215F (100–101.6C)
Freezing point (°C): Not available.
pH: 9.1
Specific gravity @ 20 °C: 1.04
Solubility in water (%): Soluble.
Coefficient of water\oil dist.: Not available.

Section 4: FIRE & EXPLOSION DATA

Flammability: Not flammable.
Conditions of flammability: Surrounding fire.
Extinguishing media: Carbon dioxide, dry chemical, foam.
Water spray.
Special procedures: Wear a positive–pressure, self–contained breathing apparatus and full protective equipment.
Auto–ignition temperature (°C): Not applicable.
Flash point (°C), method: Not applicable.
Lower flammability limit (% vol): Not applicable.
Upper flammability limit (% vol): Not applicable.
Explosion Data
Sensitivity to static discharge: Not applicable.
Sensitivity to mechanical impact: Not applicable.
Hazardous combustion products: Toxic fumes.
Explosive power: Not applicable.

Section 5: REACTIVITY DATA

Chemical stability: Stable under normal conditions.
Conditions of instability: Contact with incompatible substances.
Extreme temperatures.
Extreme heat.
Hazardous polymerization: Not available.
Incompatible substances: Strong reducing agents.
Combustible materials.
Hazardous decomposition products: See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Ingestion and skin contact.

Effects of acute exposure

Eye contact: May cause conjunctivitis.
Irritant.

Skin contact: May cause dermatitis.
Irritant.

Inhalation: May be harmful if inhaled.

Ingestion: May lead to coma.
May cause severe irritation of the gastrointestinal tract.
May cause circulatory collapse.

Effects of chronic exposure: Pre-existing eye and skin disorders may be aggravated by exposure to this product.
May affect the kidneys.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available.

Exposure limit of material: Not available for mixture, see the ingredients section.

Sensitization to product: Not available.

Carcinogenic effects: Potassium chromate is a confirmed human carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



General work gloves to minimize skin contact.

Respiratory/Type:



NIOSH approved respirator, if necessary.

Eye/Type:



Safety glasses.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type:



Lab coat.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Ventilate adequately.

Leak/Spill: Absorb with inert material.
Wear appropriate protective equipment.
Place in a closed container for disposal.

Waste disposal: Dispose of all waste in accordance with Local, State, and Federal regulations.

Handling procedures and equipment: Avoid breathing vapors/mists.
Use adequate ventilation.
Wear personal protective equipment appropriate to task.
Wash thoroughly after handling.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.

Storage requirements: Keep out of direct sunlight.
Store in a cool and dry place.

Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

Skin contact: Remove contaminated clothing.
Wash with water for at least 15 minutes.
Seek medical attention if irritation persists.

Eye contact: Immediately flush eyes with running fresh water for a minimum of 20 minutes.
Hold eyelids open during flushing. Obtain medical attention immediately.

Inhalation: Remove victim to fresh air.
If irritation occurs, consult a physician.

Ingestion: Obtain medical attention.
Never give anything by mouth to an unconscious person.
Drink a large amount of water.
Do not induce vomiting, unless directed to do so by a physician.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 9: ADDITIONAL INFORMATION

General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

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Supplier MSDS date: 2009/08/19

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