

# CHROMATE INDICATOR

Product: R-0630

## Section 1: PRODUCT INFORMATION

**Chemical family:** Inorganic salt solution.

**Product uses:** Chemical.

**Supplier:** Lowry & Associates  
Agents for Taylor Technologies Inc.  
4 – 1151 Gorham Street  
Newmarket, Ontario  
L3Y 7V1  
Tel: 905-836-0505  
Fax: 905-895-4539.

**Emergency Phone Number:** Canutec 613-996-6666.  
410-472-4340

**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 % | Ingrédient         | V.L.E.     | DL/50                   | CL/50         |
|-----------|-----------------|--------------------|------------|-------------------------|---------------|
| 7789-00-6 | 5               | POTASSIUM CHROMATE | 0.05 MG/M3 | 180 MG/KG<br>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:** 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.

**Data prepared by:** Lowry & Associates  
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