

Chromate Indicator

R-0630

SDS Preparation Date (mm/dd/yyyy): 02/28/2016

Page 1 of 11

## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Chromate Indicator**

Product Code(s) : R-0630

Recommended use of the chemical and restrictions on use

: Use as directed by manufacturer for purposes directly related to water testing.  
Recommended restrictions: None known.

Chemical family : Mixture.

Name, address, and telephone number  
of the supplier:

**Lowry & Associates, Div. of Chem-Aquascience,  
Inc.**

5-1151 Gorham Street  
Newmarket, ON, Canada  
L3Y 8Y1

Supplier's Telephone # : (905) 836-0505, Hours 09:00 to 16:30

**24 Hr. Emergency Tel #** : (613) 996-6666 (CANUTEC)

Name, address, and telephone number of  
the manufacturer:

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear, light yellow liquid. Odorless.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification:

Skin Corrosion/Irritation - Category 1

Eye Damage/Irritation - Category 1

Carcinogenicity - Category 1

Reproductive Toxicity - Category 2

Germ cell mutagenicity - Category 1B

Skin sensitization - Category 1A

Respiratory sensitization - Category 1

Specific target organ toxicity, single exposure - Category 3 respiratory tract irritation

Label elements

Hazard pictogram(s)



Signal Word

DANGER!

**Chromate Indicator**

R-0630

**SDS Preparation Date (mm/dd/yyyy): 02/28/2016**

Page 2 of 11

## SAFETY DATA SHEET

*Hazard statement(s)*

- Causes severe skin burns and eye damage.
- May cause an allergic skin reaction.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause cancer.
- Suspected of damaging fertility or the unborn child.
- May cause genetic defects.
- May cause respiratory irritation.

*Precautionary statement(s)*

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Contaminated work clothing must not be allowed out of the workplace.
- Do not breathe mist or vapor.
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- In case of inadequate ventilation wear respiratory protection.
- Wear protective gloves/clothing and eye/face protection.
- If exposed or concerned: Get medical advice/attention.
  
- If swallowed: Rinse mouth. Do NOT induce vomiting.  
 Call a POISON CENTER or doctor/physician if you feel unwell.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 Wash contaminated clothing before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.
- If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 Immediately call a POISON CENTER or doctor/physician.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 Immediately call a POISON CENTER or doctor/physician.
  
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Dispose of contents/container in accordance with local regulation.

**Other hazards**

Other hazards which do not result in classification: Ingestion can cause irritation and corrosive action in the mouth, stomach and digestive tract.

Environmental precautions: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not allow this material to drain into sewers/water supplies.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Potassium chromate	Not available.	7789-00-6	5.00

**SECTION 4. FIRST-AID MEASURES**

**Description of first aid measures**

- Ingestion* : Never give anything by mouth to an unconscious person. Do NOT induce vomiting.  
 Have victim rinse mouth with water, then give one to two glasses of water to drink.  
 Seek immediate medical attention/advice.

Chromate Indicator

R-0630

SDS Preparation Date (mm/dd/yyyy): 02/28/2016

Page 3 of 11

## SAFETY DATA SHEET

- Inhalation* : Immediately remove person to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Seek immediate medical attention/advice.
- Skin contact* : Wear appropriate protective equipment. Remove/Take off immediately all contaminated clothing. Immediately flush skin with gently flowing, running water for at least 20 minutes. Do not rub area of contact. Obtain medical attention immediately. Wash contaminated clothing before reuse. Contaminated leather may require disposal.
- Eye contact* : Wear appropriate protective equipment. Protect unharmed eye. If in contact with eyes, immediately flush eyes with running water for at least 20 minutes. If contact lens is present, DO NOT delay flushing or attempt to remove the lens until flushing is done. Obtain medical attention immediately.

### Most important symptoms and effects, both acute and delayed

- : Causes severe skin irritation. Symptoms may include redness, blistering, pain and swelling. Causes serious eye damage. Symptoms may include severe pain, blurred vision, redness and corrosive damage. May cause respiratory irritation. Symptoms may include coughing, choking and wheezing. Could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed. Ingestion may cause severe burns to the mucous membranes of the digestive tract. Symptoms may include abdominal pain, vomiting, burns, perforations and bleeding. May cause cancer based on animal data. Suspected of damaging fertility or the unborn child. May cause genetic defects.

### Indication of any immediate medical attention and special treatment needed

- : Immediate medical attention is required. Causes chemical burns. Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### *Suitable extinguishing media*

- : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical. May react with water. Use water spray with caution.

#### *Unsuitable extinguishing media*

- : Use water spray with caution. Do not use a solid water stream as it may scatter and spread fire.

### Special hazards arising from the substance or mixture / Conditions of flammability

- : Not considered flammable. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

### Flammability classification (OSHA 29 CFR 1910.106)

- : Not flammable.

### Hazardous combustion products

- : Potassium oxides.

### Special protective equipment and precautions for firefighters

#### *Protective equipment for fire-fighters*

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

#### *Special fire-fighting procedures*

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Use water to cool fire-exposed containers. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply or any natural waterway. Dike for water control.

Chromate Indicator

R-0630

SDS Preparation Date (mm/dd/yyyy): 02/28/2016

Page 4 of 11

## SAFETY DATA SHEET

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

- : Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

**Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

#### Methods and material for containment and cleaning up

- : Remove all sources of ignition. Ventilate area of release. Stop the spill at source if it is safe to do so. Dike for water control. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Notify the appropriate authorities as required.

#### Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).  
US CERCLA Reportable quantity (RQ): Potassium Chromate(10 lbs / 4.54 kg)

### SECTION 7. HANDLING AND STORAGE

#### Precautions for safe handling

- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/clothing and eye/face protection. Use only in well-ventilated areas. Do not breathe fumes or mists. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from heat and flame. Keep away from incompatibles. Keep containers tightly closed when not in use. Keep only in original container. Contaminated work clothing must not be allowed out of the workplace. Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted.

**Conditions for safe storage** : Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep away from incompatibles. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. Store in corrosion-resistant containers. Avoid contact with aluminum.

**Incompatible materials** : Combustible materials. Reducing agents.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Limits:

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Potassium chromate	0.005mg/m <sup>3</sup> (Cr(IV))	N/Av	5 mg/m <sup>3</sup> (Cr(IV))	N/Av

#### Exposure controls

**Ventilation and engineering measures**

Chromate Indicator

R-0630

SDS Preparation Date (mm/dd/yyyy): 02/28/2016

Page 5 of 11

## SAFETY DATA SHEET

- Respiratory protection** : Use only in well-ventilated areas. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.  
: In case of insufficient ventilation wear suitable respiratory equipment. NIOSH-approved respirators are recommended. A self contained breathing apparatus should be used in emergency situations or instances where exposure levels are not known. Seek advice from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.
- Skin protection** : Wear protective gloves/clothing. Advice should be sought from glove suppliers. Wear chemically protective gloves (impervious), boots, aprons, and gauntlets to prevent prolonged or repeated skin contact.
- Eye / face protection** : Wear eye/face protection. Chemical splash goggles must be worn when handling this material. A full face shield may also be necessary.
- Other protective equipment** : An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.
- General hygiene considerations** : Do not breathe fumes or mists. Do not ingest. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse. Contaminated work clothing must not be allowed out of the workplace.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Clear to yellow liquid.  
**Odour** : No odour.  
**Odour threshold** : Not applicable.  
**pH** : 9.1  
**Melting/Freezing point** : Not available.  
**Initial boiling point and boiling range** : 100°C (212°F)  
**Flash point** : Not applicable.  
**Flashpoint (Method)** : Not applicable.  
**Evaporation rate (BuAe = 1)** : N/Av  
**Flammability (solid, gas)** : Not applicable.  
**Lower flammable limit (% by vol.)** : Not applicable.  
**Upper flammable limit (% by vol.)** : Not applicable.  
**Oxidizing properties** : None known.  
**Explosive properties** : Not explosive  
**Vapour pressure** : 17 mmHg  
**Vapour density** : 0.6  
**Relative density / Specific gravity** : 1.04  
**Solubility in water** : Soluble.  
**Other solubility(ies)** : Not available.  
**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution** : N/Av  
**Auto-ignition temperature** : N/Av  
**Decomposition temperature** : Not available.  
**Viscosity** : N/Av  
**Volatiles (% by weight)** : 95%

Chromate Indicator

R-0630

SDS Preparation Date (mm/dd/yyyy): 02/28/2016

Page 6 of 11

## SAFETY DATA SHEET

### Volatile organic Compounds (VOC's)

: N/Av

### Absolute pressure of container

: N/Av

### Flame projection length

: N/Av

### Other physical/chemical comments

: None known or reported by the manufacturer.

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity** : Not normally reactive. May be corrosive to metals. Contact with most metals will generate flammable hydrogen gas. Contact with water will generate considerable heat.

**Chemical stability** : Material is stable under normal conditions.

### Possibility of hazardous reactions

: Hazardous polymerization does not occur.

**Conditions to avoid** : Avoid heat and open flame. Keep away from incompatibles. Keep container tightly closed when not in use. Avoid contact with water. Exposure to light. Do not use in areas without adequate ventilation.

**Incompatible materials** : Combustible materials. Reducing agents.

### Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

**Routes of entry inhalation** : YES

**Routes of entry skin & eye** : YES

**Routes of entry Ingestion** : YES

**Routes of exposure skin absorption**

: NO

### Potential Health Effects:

#### Signs and symptoms of short-term (acute) exposure

##### *Sign and symptoms Inhalation*

: May cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, choking and wheezing. Could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed.

##### *Sign and symptoms ingestion*

: Harmful if swallowed. May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding and eventually death.

##### *Sign and symptoms skin*

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Skin Irritation - Category 1 Causes severe skin burns and eye damage.

##### *Sign and symptoms eyes*

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Eye Damage/Irritation - Category 1 Causes serious eye damage.

#### Potential Chronic Health Effects

: Chronic skin contact with low concentrations may cause dermatitis.

Chromate Indicator

R-0630

SDS Preparation Date (mm/dd/yyyy): 02/28/2016

Page 7 of 11

## SAFETY DATA SHEET

- Mutagenicity** : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification Germ cell mutagenicity - Category 1B May cause genetic defects.
- Carcinogenicity** : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Carcinogenic Category 1 May cause cancer.
- Reproductive effects & Teratogenicity** : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Reproductive Toxicity - Category 2 Suspected of damaging fertility or the unborn child.
- Sensitization to material** : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).  
Classification:  
Skin sensitization - Category 1A. Respiratory sensitization - Category 1 ,  
May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Specific target organ effects** : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Specific Target Organ Toxicity, Single Exposure -Category 3 (respiratory) May cause respiratory irritation. Not classified as specific target organ toxicity-repeated exposure.
- Medical conditions aggravated by overexposure** : Pre-existing skin, eye and respiratory disorders.
- Synergistic materials** : Not available.
- Toxicological data** : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data. See below for toxicological data on the substance.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u>	<u>LD<sub>50</sub></u>	
	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Potassium chromate	N/Av	180mg/kg (mouse)	N/Av

**Other important toxicological hazards**

- : To the best of our knowledge, the toxicological properties of this material have not been thoroughly investigated.

### SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity** : Very toxic to aquatic life with long lasting effects. Do not allow material to contaminate ground water system. See data for individual ingredient ecotoxicity data.

**Ecotoxicity data:**

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC<sub>50</sub> / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Potassium chromate	7789-00-6	58.5mg/L (Zebra fish)	3.5 mg/L (Guppy)	None.

Chromate Indicator

R-0630

SDS Preparation Date (mm/dd/yyyy): 02/28/2016

Page 8 of 11

## SAFETY DATA SHEET

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Potassium chromate	7789-00-6	0.035mg/L (Daphnia magna)	18 mg/L (Daphnia magna)	10

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Potassium chromate	7789-00-6	N/Av	0.13 mg/L (Green algae)	None.

**Persistence and degradability**

: The methods for determining biodegradability are not applicable to inorganic substances.

**Bioaccumulation potential**

: No data is available on the product itself.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Potassium chromate (CAS 7789-00-6)	N/Av	N/Av

**Mobility in soil**

: No data is available on the product itself.

**Other Adverse Environmental effects**

: No data is available on the product itself.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal**

: Handle waste according to recommendations in Section 7.





**Methods of Disposal**

: Dispose in accordance with all applicable federal, state, provincial and local regulations.

**RCRA**

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

### SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Potassium chromate)	9	III	 
<b>TDG Additional information</b>	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
49CFR/DOT	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Potassium Chromate)	9	III	 
<b>49CFR/DOT Additional information</b>	May be shipped as a Limited Quantity when transported in containers no larger than 5.0 L, in combination packagings no larger than 30 kg gross mass.				







**Chromate Indicator**

R-0630

**SDS Preparation Date (mm/dd/yyyy): 02/28/2016**

Page 9 of 11

## SAFETY DATA SHEET

ICAO/IATA	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Potassium Chromate)	9	III	 
<b>ICAO/IATA Additional information</b>	Refer to ICAO/IATA Packing Instruction				
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Potassium Chromate)	9	III	 
<b>IMDG Additional information</b>	Consult the IMDG regulations for exceptions.				

**Special precautions for user** : None reported by the manufacturer.

**Environmental hazards** : This product meets the criteria for an environmentally hazardous material according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: Not available.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Potassium chromate	7789-00-6	Yes	10 lb/ 4.54 kg	N/Av	No	N/Av

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Immediate (Acute) health hazard ;Chronic Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Potassium chromate	7789-00-6	No	N/Av	Yes	Yes	No	Yes	Yes	No

**Canadian Information:**

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Chromate Indicator

R-0630

SDS Preparation Date (mm/dd/yyyy): 02/28/2016

Page 10 of 11

## SAFETY DATA SHEET

### International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	<u>CAS #</u>	<u>European EINECs</u>	<u>Australia AICS</u>	<u>Philippines PICCS</u>	<u>Japan ENCS</u>	<u>Korea KECI/KECL</u>	<u>China IECSC</u>	<u>NewZealand IOC</u>
Potassium chromate	7789-00-6	232-140-5	Present	Present	(1)-661	KE-29089	Present	HSR004649

### SECTION 16. OTHER INFORMATION

#### Legend

: ACGIH: American Conference of Governmental Industrial Hygienists  
 CA: California  
 CAS: Chemical Abstract Services  
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
 CFR: Code of Federal Regulations  
 CSA: Canadian Standards Association  
 DOT: Department of Transportation  
 EPA: Environmental Protection Agency  
 HMIS: Hazardous Materials Identification System  
 HSDB: Hazardous Substances Data Bank  
 IARC: International Agency for Research on Cancer  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organisation  
 IMDG: International Maritime Dangerous Goods  
 Inh: Inhalation  
 LC: Lethal Concentration  
 LD: Lethal Dose  
 MA: Massachusetts  
 MN: Minnesota  
 N/Av: Not Available  
 N/Av: Not Available  
 NFPA: National Fire Protection Association  
 NIOSH: National Institute of Occupational Safety and Health  
 NJ: New Jersey  
 NTP: National Toxicology Program  
 OSHA: Occupational Safety and Health Administration  
 PA: Pennsylvania  
 PEL: Permissible exposure limit  
 RCRA: Resource Conservation and Recovery Act  
 RI: Rhode Island  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act  
 STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TWA: Time Weighted Average  
 WHMIS: Workplace Hazardous Materials Identification System

#### References

: Canadian Centre for Occupational Health and Safety, CCIInfoWeb Databases, 2015 (Chempendium, RTECs, HSDB, INCHEM).  
 European Chemicals Agency, Classification Legislation, 2015  
 Material Safety Data Sheet from manufacturer.  
 OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.

Preparation Date (mm/dd/yyyy)

: 02/28/2016

Chromate Indicator

R-0630

SDS Preparation Date (mm/dd/yyyy): 02/28/2016

Page 11 of 11

## SAFETY DATA SHEET

### Other special considerations for handling

: Provide adequate information, instruction and training for operators.

<p><b>Prepared for:</b> Lowry &amp; Associates, Div. of Chem-Aquascience, Inc. 5-1151 Gorham Street Newmarket, ON L3Y 8Y1 <a href="http://www.lowryassociates.ca">www.lowryassociates.ca</a></p>	
<p><b>Prepared by:</b> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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