

MATERIAL SAFETY DATA SHEET

Potassium Chromate Indicator Solution

SECTION 1 . Product and Company Identification

Product Name and Synonym: Potassium Chromate Indicator Solution

Product Code: 215-00-1

Material Uses:

Manufacturer: OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886

Entry Date : 3/4/2009

Print Date: 7/30/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	3			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview: Danger! Strong Oxidizer. Contact With Other Material May Cause Fire. Harmful If Swallowed Or Inhaled. May Cause Burns To Skin And Eyes. May Cause Allergic Skin Or Respiratory Reaction.

Inhalation: May irritate the mucous membranes. May cause lung edema. Symptoms may include sore throat, shortness of breath, inflammation of nasal passages, coughing, and wheezing. Any exposure may cause an allergic reaction. Asthma-like symptoms and life-threatening shock may result.

Ingestion: Corrosive. May produce abdominal pain, nausea and vomiting.

Skin: Corrosive. May cause skin burns.

Eye Contact: May cause severe irritation and pain.

Chronic Exposure: Prolonged skin contact may cause an allergic reaction with dermatitis.

Aggravation of Pre-existing Conditions: Persons with impaired respiratory function may be more susceptible to the effects of the substance.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Potassium Chromate	CAS# 7789-00-6	5%	W/V	TLV/TWA 0.05 mg/m ³
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified

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In section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda-Ash, lime), then absorb with an inert material (e.g., vermiculite, dry sand, earth), and place In a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! Us regulations (cercla) require reporting spills and releases to soil, Water and air in excess of reportable quantities.

SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards: None
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.
Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified
In section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.
Contain and recover liquid when possible. Neutralize with alkaline material (soda-Ash, lime), then absorb with an inert material (e.g., vermiculite, dry sand, earth), and place
In a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! Us regulations (cercla) require reporting spills and releases to soil, Water and air in excess of reportable quantities.

SECTION 7 HANDLING AND STORAGE

Wash thoroughly after handling. Remove contaminated clothes and wash before reuse. Use with adequate ventilation.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required
Ventilation: Local Exhaust [checked], Mechanical [unchecked]
Protective Gloves: Wear appropriate gloves to prevent skin exposure

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Eye Protection: Safety Glasses
w/Side Shields

Other Protective Equipment: Wear appropriate clothing to prevent
skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	< 2 °C	Percent Volatile by Volume:	95%
Boiling Point:	> 95 °C	Evaporation Rate	1
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear, yellow, odorless liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Not flammable		
Specific Gravity:	Information not available		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: Avoid contact with incompatible materials.

Materials to Avoid: Strong reducing agents

Hazardous Decomposition Products: Not known to occur

Hazardous polymerization: Will Not Occur

Conditions to Avoid: None known

SECTION 11 Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: Yes - Anticipated: No, IARC Category- 1

SECTION 12 Ecological Information

Environmental Fate:When released into the soil, this material may leach into groundwater. When released into water, this material is not expected to evaporate significantly. This material may bioaccumulate to some extent. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition.

Environmental Toxicity: Dangerous to the environment. Very toxic to aquatic organisms; may cause long term adverse effects in the aquatic environment.

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 Transport Information

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DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

Chemical Inventory Status –
Part 1:Ingredient
Potassium Chromate (7789-00-6)
TSCA Yes
EC Yes
Japan YES
Australia Yes

Chemical Inventory Status –
Part 2:Ingredient
Potassium Chromate (7789-00-6)
Korea Yes
DSL Yes
NDSL No
Phil. Yes

Federal, State & International Regulations –
Part 1: Ingredient.
Potassium Chromate (7789-00-6)
RQ No
TPQ No
List NO
Chemical Catg Chromium com

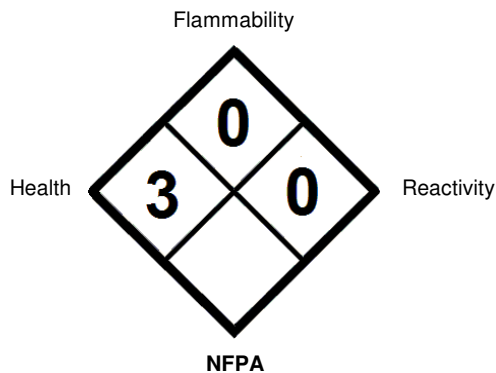
Federal, State &
International Regulations –
Part 2:Ingredient
Potassium Chromate (7789-00-6)
CERCLA 10
261.33 No
8(d) No

Chemical Weapons Convention: No
TSCA 12 (b):YES
CDTA:YES MIXTURE/LIQUID
SARA 311/312: Acute: YES
Chronic: YES
Fire: YES
Pressure: No
Reactivity: YES
Australian Hazchem Code: None allocated
Poison Schedule: S6

SECTION 16 Additional Information

Potassium Chromate is listed as a substance which may be reasonably anticipated to be a carcinogen by the National Toxicology Program (NTP). Acute/Chronic effects: Nasal septum irritation, skin ulcer, sensitization and dermatitis, leukocytoses, leukopenia, monocytosis, eosinophilia, and conjunctivitis. Conditions aggravated: Chronic respiratory disease, pre-existing eye, skin, and blood disorders, impaired kidney or liver function.

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Revisions

7/30/2010	0.1	updated msds to 16 section from 10 section msds. STN
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