

MATERIAL SAFETY DATA SHEET

Potassium Chromate Indicator Solution

SECTION 1 . Product and Company Identification

Product Name and Synonym: Potassium Chromate Indicator Solution

Product Code: 215-01-1

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

Entry Date : 8/14/2009

Print Date: 9/9/2010

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

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

SECTION 2 HAZARD IDENTIFICATION

Causes severe irritation and burns. May be harmful if swallowed. May be harmful if absorbed through the skin. Avoid breathing vapor or dust. 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 checked="" type="checkbox"/>	Methanol (Methyl Alcohol)	CAS# 67-56-1	25 - 40%		OSHA TWA 200 ppm, ACGIH STEL 250 ppm

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<input type="checkbox"/> Potassium Chromate	CAS# 7789-00-6	4 - 8%	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

SECTION 4 FIRST AID MEASURES

Causes severe irritation and burns. May be harmful if swallowed. May be harmful if absorbed through the skin. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Remove contaminated clothing. 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: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type:	Alcohol Resistant Foam or Carbon Dioxide
Fire / Explosion Hazards:	Material will burn in a fire.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Eliminate Ignition Sources. Absorb with vermiculite or other inert material. Place in container. If fire hazard exists, blanket spill with alcohol foam or use water spray to disperse vapors. 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. Keep in tightly closed container. Do not expose to sources of ignition. Containers of this material may be hazardous when empty.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:	None required
Ventilation	Local Exhaust <input checked="" type="checkbox"/>

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Mechanical

Protective Gloves: Wear appropriate gloves to prevent skin exposure

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:	Information not available	Percent Volatile by Volume:	~ 95%
Boiling Point:	Information not available	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Information not available
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Information not available
Appearance /Odors:	Clear, yellow, odorless liquid	Upper Flamm. Limit in Air	Information not available
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: Bases, organic material, Halogens, metalacetylides, Oxides, nitric acid and potassium tertbutoxide.

Hazardous Decomposition Products: Oxides of carbon and formaldehyde if heated.

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

No information found.

SECTION 13 Disposal Considerations

Disposal should be made in accordance with federal, state and local regulations.

SECTION 14 Transport Information

DOT Classification: Methanol, 3, UN1230, PG II

Potassium Chromate Indicator Solution

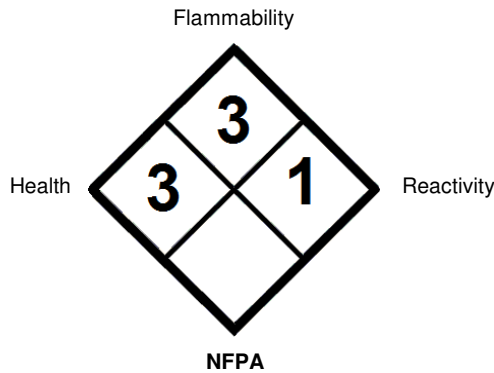
DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

All components listed on TSCA Inventory.

SECTION 16 Additional Information

May cause eye skin and respiratory burns. May cause allergic skin reaction. May cause damage to internal organs. Corrosive properties! If ingested do not induce vomiting. Give large amounts of water. Get immediate medical attention. 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. **INGESTION:** May be poisonous or fatal or cause blindness if swallowed. Exposure may adversely affect people with chronic disease of the central nervous system, skin, gastrointestinal tract or eyes.



Revisions

6/17/2010	0.1	updated msds to 16 section from 10 section msds. STN
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