

# 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

Material Uses:

Manufacturer: OFI Testing Equipment Inc.  
11302 Steeplecrest Dr.  
Houston, TX 77065  
(877) 837-8683

Entry Date : 5/10/2010

Print Date: 5/10/2011

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 <sup>3</sup> |
| <input type="checkbox"/> | Water, Deionized ASTM Type II | CAS# 7732-18-5 | Balance       | V/V       | None Established               |

### SECTION 4 FIRST AID MEASURES

## Potassium Chromate Indicator Solution

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

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: < 2°C Percent Volatile by Volume: 95%

## Potassium Chromate Indicator Solution

|                      |                                |                           |                |
|----------------------|--------------------------------|---------------------------|----------------|
| Boiling Point:       | > 95 °C                        | Evaporation Rate          | 1              |
| Vapor Pressure:      | Information not available      | Evaporation Standard      | Water = 1      |
| 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

International (Water, I.M.O.)  
-----  
Proper Shipping Name: OXIDIZING LIQUID, N.O.S. (Potassium Chromate)  
Hazard Class: 5.1  
UN/NA: UN3139  
Packing Group: III  
Information reported for product/size: 375LB

DOT Classification: Oxidizing liquid, n.o.s. (Potassium chromate), 5.1, UN3139, PG III

## 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

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 No  
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

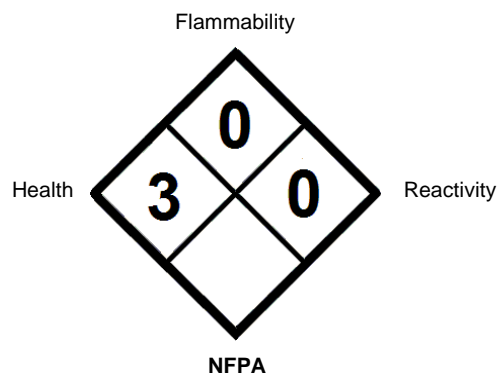
Federal, State &  
International Regulations –  
Part 2:Ingredient  
Potassium Chromate (7789-00-6)  
CERCLA 10  
261.33 No  
8(d) No

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.

## Potassium Chromate Indicator Solution



### Revisions

|           |     |  |
|-----------|-----|--|
| 7/30/2010 | 0.1 | updated msds to 16 section from 10 section msds. STN |
|           | 0   |  |
| 5/10/2011 | 0.2 | Revised sec 14 LS                                    |

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.