

# MATERIAL SAFETY DATA SHEET

## Potassium Chromate Indicator Solution

### SECTION 1 . Product and Company Identification

Product Name and Potassium Chromate Indicator Solution

Product Code: 215-00

Material Uses: OFI Testing Equipment Inc. Health: 2  
Flammability: 0

Manufacturer: 11302 Steeplecrest Dr. Reactivity: 0

Houston, TX 77065

(877) 837-8683

Entry Date : 7/16/2013

Print Date: 7/16/2013

24 Hour Emergency Assistance : INFOTRAC USA - CANADA: 1-800-535-5053  
INTERNATIONAL: 1-352-323-3500

| 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       |
|----------|-------------------------------|----------------|---------------|-----------|-----------------------|
|          | Potassium Chromate            | CAS# 7789-00-6 | 5%            | W/V       | TLV/TWA<br>0.05 mg/mf |
|          | Water, Deionized ASTM Type II | CAS# 7732-18-5 | Balance       | V/V       | None<br>Established   |

## Potassium Chromate Indicator Solution

### 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

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  
None

Fire / Explosion Hazards:

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

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

## Potassium Chromate Indicator Solution

|                      |                                   |                           |                |
|----------------------|-----------------------------------|---------------------------|----------------|
| Melting Point:       | <2°C                              | Percent Volatile by       | 95%            |
| Boiling Point:       | >95°C                             | Evaporation Rate          | >1             |
| Vapor Pressure:      | 14 mm Hg                          | Evaporation Standard      | Ether =1       |
| Vapor Density:       | 0.7                               | Auto Ignition Temp        | Not applicable |
| Solubility in Water: | Soluble                           | Lower Flamm. Limit in Air | Not applicable |
| Appearance /Odors:   | Clear, yellow,<br>odorless liquid | Upper Flamm. Limit in Air | Not applicable |
| Flash Point:         | Not flammable                     |                           |                |
| Specific Gravity:    | 1.03                              |                           |                |

### SECTION 10 STABILITY AND REACTIVITY INFORMATION

|                           |  |
|---------------------------|--|
| Stability:                | Stable                                     |
| Conditions to Avoid:      | Avoid contact with incompatible materials. |
| Materials to Avoid:       | Strong reducing agents                     |
| Hazardous Decomposition   | Not known to occur                         |
| Products:                 |  |
| Hazardous polymerization: | Will Not Occur                             |
| Conditions to Avoid:      | None known                                 |

### SECTION 11

#### Toxicological Information

Routes of Entry:  
Ingestion.  
Toxicity to Animals:  
Acute oral toxicity (LD50): 3600 mg/kg (Mouse) (Calculated value for the mixture).  
Chronic Effects on Humans:  
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH [Potassium chromate]. The substance is toxic to lungs, mucous membranes.  
Other Toxic Effects on Humans:  
Hazardous in case of skin contact (irritant), of ingestion. Slightly hazardous in case of skin contact (corrosive), of inhalation.  
Special Remarks on Toxicity to Animals:  
Not available.  
Special Remarks on Chronic Effects on Humans:  
Not available.  
Special Remarks on other Toxic Effects on Humans:  
Not available

### 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.

## Potassium Chromate Indicator Solution

### SECTION 14

#### Transport Information

IMDG

UN number: 3082 Class: 9 Packing group: III EMS-No: F-A, S-F  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Potassium chromate)  
Marine pollutant: Marine pollutant

IATA

UN number: 3082 Class: 9 Packing group: III  
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Potassium chromate)

Further information

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

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.

pre-existing

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eye, skin, and blood disorders, impaired kidney or liver function.

Flammability

Health

Reactivity

| <b>Revisions</b> | <b>NFPA</b> |   |
|------------------|-------------|---|
| 7/30/2010        | 0.1         | updated msds to 16 section from 10 section msds. STN          |
| 6/13/2013        | 0.5         | Revised to reflect current information LS                     |
| 3/4/2009         | 0           | Creation date LS  |
| 5/10/2011        | 0.2         | Revised sec 14 LS   |
| 4/26/2012        | 0.3         | Revised IMDG and IATA in section 14                           |
| 5/1/2012         | 0.4         | Changed 24 hr Emergency Contact From Chemtrec to Info Trac LS |

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