

# MATERIAL SAFETY DATA SHEET

Potassium Chloride Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Potassium Chloride Solution  
Product Code: 285-11  
Material Uses:  
Manufacturer: OFI Testing Equipment, Inc.  
11302 Steeplecrest Drive  
Houston, TX 77065 USA  
Phone: (713) 880-9885  
Fax: (713) 880-9886  
Entry Date : 5/12/2010  
Print Date: 7/31/2010  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

|                     |        |                      |      |         |
|---------------------|--------|----------------------|------|---------|
| Health:             | 1      |                      |      |         |
| 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: Caution! May Cause Irritation To Skin And Eyes.

Inhalation: No Information Found.

Ingestion: Large Oral Doses may Cause Irritation to the Gastrointestinal Tract.

Skin: May Cause Irritation with Redness and Pain.

Eye Contact: May Cause Irritation, Redness and Pain.

Chronic Exposure: No Information Found.

Aggravated by Exposure: Persons with Impaired Kidney 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 Chloride            | CAS# 7447-40-7 | 10 - 15%      | W/V       | None Established |
| <input type="checkbox"/> | Water, Deionized ASTM Type II | CAS# 7732-18-5 | Balance       | V/V       | None Established |

## 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

## Potassium Chloride Solution

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: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: None Known.

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. Flush excess down drain.

Ventilate Area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (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.

### SECTION 7 HANDLING AND STORAGE

This Material is not considered hazardous. Store in a cool, dry place. Handle using safe laboratory practices.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

|                      |                           |                             |                           |
|----------------------|---------------------------|-----------------------------|---------------------------|
| Melting Point:       | ~ 18° F (-7° C)           | Percent Volatile by Volume: | > 85%                     |
| Boiling Point:       | ~ 216 ° F (102° C)        | Evaporation Rate            | Information not available |
| Vapor Pressure:      | not available             | Evaporation Standard        |                           |
| Vapor Density:       | not available             | Auto Ignition Temp          | Not applicable            |
| Solubility in Water: | Soluble                   | Lower Flamm. Limit in Air   | Not applicable            |
| Appearance /Odors:   | Colorless odorless liquid | Upper Flamm. Limit in Air   | Not applicable            |
| Flash Point:         | not flammable             |                             |                           |
| Specific Gravity:    | ~ 1.17                    |                             |                           |

### SECTION 10 STABILITY AND REACTIVITY INFORMATION

Potassium Chloride Solution

Stability: Stable  
Conditions to Avoid: Temperature extremes  
Materials to Avoid: Bromine trifluoride, potassium permanganate plus sulfuric acid  
Hazardous Decomposition Products: None  
Hazardous polymerization: not expected to occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

**SECTION 12 Ecological Information**

Environmental Fate: No Information Found.

Environmental Toxicity: No Information Found.

**SECTION 13 Disposal Considerations**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal 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**

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 Chloride (7447-40-7)  
TSCA Yes  
EC Yes  
Japan YES  
Australia Yes

Chemical Inventory Status –  
Part 2:Ingredient  
Potassium Chloride (7447-40-7)  
Korea Yes  
DSL Yes  
NDSL No  
Phil. Yes

Federal, State & International Regulations –  
Part 1: Ingredient.  
Potassium Chloride (7447-40-7)  
RQ No  
TPQ No  
List NO  
Chemical Catg No

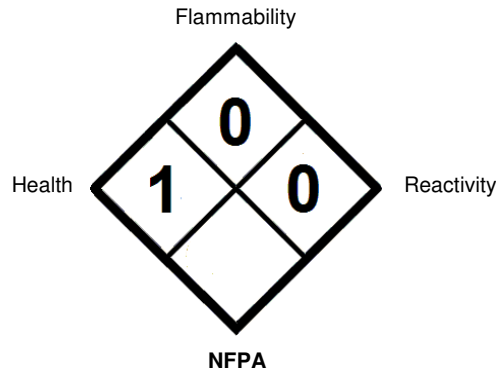
Federal, State & International Regulations –  
Part 2:Ingredient  
Potassium Chloride (7447-40-7)  
CERCLA NO  
261.33 No  
8(d) No

Potassium Chloride Solution

Chemical Weapons Convention: No  
TSCA 12 (b):No  
CDTA:No PURE/LIQUID  
SARA 311/312: Acute:YES  
Chronic: No  
Fire: No  
Pressure: No  
Reactivity: No  
Australian Hazchem Code: NONE ALLOCATED  
Poison Schedule:NONE ALLOCATED

**SECTION 16 Additional Information**

Overexposure symptoms. Acute: Essentially non-hazardous. Possible irritation of eyes/stomach. Chronic: None known. Conditions aggravated/Target organs: none known.



**Revisions**

|           | NFPA |  |
|-----------|------|--|
|           | 0    |  |
| 7/30/2010 | 0.1  | updated msds to 16 section from 10 section msds. STN |

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