

**MATERIAL SAFETY DATA SHEET**

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DATE REVISED: 3-28-11  
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(1-800-424-9300 24 Hr. CHEMTREC/ CODE: RANA)

**SECTION 1-Product Identification**

**Product Name: Reference Fill Solution**

**Synonyms:**

**Part Number: 9210072**

**SECTION 2-Composition/Information on Ingredients**

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	73.8	no
Potassium Chloride	7447-40-7	26.0	no
Silver Chloride	7783-90-6	0.2	no

**SECTION 3-Hazards Identification**

Health Rating: 0  
Flammability Rating: 0  
Reactivity Rating: 0

Lab Protective Equip: gloves, safety goggles

**SECTION 4-First Aid Measures**

INHALATION: No known effects, remove to fresh air if necessary.  
INGESTION: Dilute with water. Seek medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.  
SKIN CONTACT: Wash with soap and water for 15 minutes.  
EYE CONTACT: Flush with water for at least 15 minutes.

**SECTION 5-Fire Fighting Measures**

Fire: Non-flammable  
Explosion: N/A  
Fire Extinguishing Media: Fight Surrounding Fire  
Special Information: N/A

**SECTION 6-Accidental Release Measures**

Rinse area with water; mop. Dispose in accordance with federal, state and local regulations.

**SECTION 7-Handling and Storage**

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

**SECTION 8-Exposure Controls/Personal Protection**

Airborne Exposure Limits: N/E  
Ventilation System: Normal room ventilation is generally adequate.  
Personal Respirators (NIOSH Approved): None required.  
Skin Protection: Gloves, lab coat.  
Eye Protection: Use safety glasses or goggles.

#### SECTION 9-Physical and Chemical Properties

Appearance: Clear, colorless liquid sloution  
Odor: Odorless  
Solubility: Miscible in water  
Specific Gravity: 1.00  
pH: approximately 7  
Boiling Point: Approximately 102°C  
Melting Point: -7.5°C  
Vapor Density (Air=1): N/A  
Vapor Pressure (mm Hg): N/E  
Evaporation Rate (BuAc=1): N/E

#### SECTION 10-Stability and Reactivity

Stability: Stable  
Hazardous Decomposition Products: Emits toxic fumes of chlorine and potassium oxide when heated to decomposition.  
Hazardous Polymerization: Will not occur  
Incompatibilities: Iron, cement, BrF3, sulfuric acid and potassium permanganate.  
Conditions to Avoid: Heat, incompatibles.

#### SECTION 11-Toxicological Information:

**Potassium chloride**: Oral rat LD50: 2600 mg/kg. Irritation eye rabbit (std Draize): 500 mg/24H mild. Oral human LDlo: 20 mg/kg. Investigated as a mutagen.

-----\Cancer Lists\-----

Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
<b>Potassium Chloride</b> (7447-40-7)	No	No	None

#### SECTION 12-Ecological Information

Environmental Fate: N/A  
Environmental Toxicity: N/A

#### SECTION 13-Disposal Considerations

Material must be stored and disposed of in accordance with all local, state and federal laws.

#### SECTION 14-Transport Information

Not regulated

**SECTION 15-Regulatory Information**

-----\Chemical Inventory Status - Part 1\-----

Ingredient	TSCA	EC	Japan	Australia
<b>Potassium Chloride</b> (7447-40-7)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----

Ingredient	Korea	DSL	NDSL	Phil.
<b>Potassium Chloride</b> (7447-40-7)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----

Ingredient	-SARA 302- RQ	TPQ	--Canada-- List	-SARA 313- Chemical Catg.
<b>Potassium Chloride</b> (7447-40-7)	No	No	No	No

-----\Federal, State & International Regulations - Part 2\-----

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
<b>Potassium Chloride</b> (7447-40-7)	No	No	No

Chemical Weapons Convention: No      TSCA 12(b): No      CDTA: No  
 SARA 311/312: Acute: Yes      Chronic: No      Fire: No      Pressure: No  
 Reactivity: No      (Pure / Liquid)

**Australian Hazchem Code:** None allocated.

**Poison Schedule:** None allocated.

**WHMIS:**

This **MSDS** has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the **MSDS** contains all of the information required by the CPR.

**SECTION 16-Other Information**

N/A

**NFPA Ratings:**      Health:0      Flammability:0      Reactivity:0

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