



# MATERIAL SAFETY DATA SHEET

**Identity:** Potassium Chloride Solution Saturated with Silver Chloride  
**Form/Aspect:** KCl salts with trace AgCl dissolved in water

## Section 1 – Chemical Product and Company Information

**MSDS Name:** Potassium Chloride Solution Saturated with AgCl  
**Company Identification:** M. C. Miller Co., Inc.  
11640 US Hwy 1  
Sebastian, Florida 32958

**Synonyms:** None  
Telephone: 1-772-794-9448  
Fax: 1-772-589-9072  
E-mail: [sales@mcmiller.com](mailto:sales@mcmiller.com)

**Emergency Numbers:** M. C. Miller Co., Inc. 1-772-794-9448  
Chemtrec – 800-424-9300 (US)

Chemtrec – 703-527-3887 (International)

## Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name	%	EINECS#
7447-40-7	Potassium Chloride (KCl)	28.3	231-791-2
7783-90-60	Silver Chloride (AgCl)	.001	233-140-8
7732-18-5	Water	Balance	NA

According to OSHA, this product should not be considered a hazardous material.  
OSHA PEL/ACGIH TLV: NA

## Section 3 – Physical and Chemical Characteristics

- **Boiling Point:** N/A
- **Vapor Density (Water):** N/A
- **Melting Point:** N/A
- **Appearance/Odor:** Clear, odorless liquid
- **Water Solubility:** 100% by weight
- **Specific Gravity (H<sub>2</sub>O=1):** 1.15
- **Evaporation Rate:** N/A
- **Vapor Pressure (mm Hg):** N/A
- **Reactivity In Water:** N/A

## Section 4 - Fire And Explosion Hazard Data

- **Flash Point:** N/A
- **Unusual Fire & Explosion Hazards:** None
- **Extinguishing Media:** Any
- **Flammable Limits:**
  - LEL: N/A
  - UEL: N/A
- **Special Fire Fighting Procedures:** N/A
- **Identity:** Potassium Chloride Solution Saturated with Silver Chloride

## Section 5 - Reactivity Data

- **Stability:** Stable
- **Conditions To Avoid:** None Known
- **Hazardous Polymerization:** Will Not Occur
- **Conditions To Avoid:** None Known
- **Incompatibility:** BrF<sub>3</sub>
- **Hazardous Decomposition Or Byproducts:** N/A

## Section 6 - Health Hazard Data

- **Exposure Limit:**
  - **Potassium Chloride:** Oral-Guinea Pig
  - **LD50:** 2500 mg/kg
- **Route Of Entry:**
  - **Inhalation:** N/A
  - **Skin:** N/A
  - **Ingestion:** Yes
- **Carcinogenicity:**
  - **NTP:** N/A IARC
  - **Monogr:** N/A
  - **OSHA Reg.:** No
- **Health Hazards:** None Known
- **Effects Of Overexposure:** (See below)
- **Emergency & First Aid Procedures:**
  - **Oral:** Large doses cause GI irritation, purging, weakness and circulatory problems. Contact a physician.

## Section 7 - Precautions For Safe Handling And Use

- **Spill Response:** Pick up and wash down drain with excess of water.
- **Waste Disposal:** Not regulated.
- **Precautions To Be Taken In Handling & Storage:** Store in cool, dry place.
- **Other Precautions:** N/A

## Section 8 - Control Measures

- **Respiratory Protection:** N/A
- **Protective Gloves:** Optional
- **Other Protective Equipment:** None Required
- **Ventilation:** None
- **Eye Protection:** Safety Glasses
- **Work/Hygienic Practices:** Wash hands thoroughly before eating, drinking or smoking.
- **Key:** N/A = Not Applicable Or Not Available
- **N/D** = Not Determined

## Section 9 – Additional Information

**MSDS Creation Date:** March 18, 2002

**Revision Date:** October 20, 2009

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