

Material Safety Data Sheet

1. Product Identification:

Trade Name: K Cl / AgCl Gel

Date Prepared or Revised: 05/09/96

2. Hazardous Ingredients:

<u>Chemical Name:</u>	<u>CAS Number:</u>	<u>%</u>	<u>Exposure Limits in Air</u> (ACGIH TLV or OSHA PEL)
Potassium Chloride	7747-40-7	<30%	Changes made on 02/16/2005 by Dr. Steven Wells.
Silver Chloride	7783-90-6	<1%	
Hydroxyethyl Cellulose	9004-62-0	<2%	
Water		Balance	

3. Physical Properties

Vapor Density: Not available.

Specific Gravity: >1

Solubility in Water: Miscible

Vapor Pressure, mmHg at 20°C: Not available.

Melting Point °F: 15-20°

Boiling Point °F: 220-225°

Evaporation Rate (butyl acetate = 1): Not available.

Appearance and Odor: Colorless, odorless, viscous liquid.

How to Detect This Substance (not required):

4. Fire and Explosion

Flash Point, °F (give method): Not available.



Suspected Cancer Agent ?

No, This Product's Ingredients are not found in the Lists Below.

Yes: Federal OSHA NTP IARC

Medical Conditions Aggravated by Exposure: None known.

6. Reactivity Data

Stability: Stable Unstable

Conditions to avoid: N/A

Incompatibility (Materials to Avoid): N/A

Hazardous Decomposition Products (Including Combustion Products):

Cl⁻, K₂O, Carbon Monoxide

Hazardous Polymerization: May Occur Will Not Occur

Conditions to Avoid:

7. Spill, Leak, and Disposal Procedures

Spill Response Procedures (including employee protection measures): Clean bulk spill using absorbent materials.

Preparing Wastes for Disposal (Container Types, Neutralization...): No special instructions.

8. Special Handling Information

Ventilation and Engineering Controls: N/A

Respiratory Protection (Type): Normal use does not generate a hazardous situation.

Eye Protection (Type): Safety glasses or goggles.

Gloves (specify Material): Latex or rubber gloves recommended.

Other Clothing and Equipment: N/A

Work Practices, Hygienic Practices: Generally good hygienic procedures recommended.

Other Handling and Storage Practices: N/A

Protective Measures During Maintenance of Contaminated Equipment: See above.

Auto Ignition Temperature, °F: N/A

Flammable Limits in Air, Volume %: N/A

Fire Extinguishing Materials: Non flammable

water spray carbon dioxide other
 foam dry chemical

Special Firefighting Procedures: None

Unusual Fire and Explosion Hazards: When heated to decomposition, it emits toxic fumes of Cl^- and K_2O .

5. Health Hazard Information

Symptoms of Exposure:

Inhaled: Coughing, irritating to mucous membranes, shortness of breath.

Contact with Skin or Eyes: Eye irritation.

Absorbed Through Skin: N/A

Swallowed: Irritating to mucous membranes, strong salt taste.

Health Effects or Risks from Exposure:

Acute: None known.

Chronic: A grayish primentation of the skin and mucous membranes may result from continued absorption of the silver compounds through inhalation and/or ingestion.

First Aid: Emergency Procedures

Eye Contact: Flush with copius amount of water.

Skin Contact: Wash with soap and water.

Inhaled: Remove to fresh air.

Swallowed: Induce vomiting. Drink plenty of water.