

U.S. DEPARTMENT OF LABOR
 OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
 M.C.MILLER CO., INC. MATERIAL SAFETY DATA SHEET # 1003
 May be used to comply with OSHA's Hazard Communication Standard
 29 CFR 1910.1200
 Standard must be consulted for specific requirements.
 CAS NUMBER 7447-40-7

SECTION I

MANUFACTURER'S NAME: Various (M.C. Miller Co. as Distributor)		EMERGENCY TELEPHONE NUMBER:	
ADDRESS:	3020 Aviation Boulevard Vero Beach, Florida 32960	Chemtrec	800-424-9300
		M.C. Miller Co.	561-794-9448
CHEMICAL NAME AND SYNONYMS: Potassium Chloride, KCl <i>silver chloride/metal</i>		TRADE NAME AND SYNONYMS: 4.0 M KCl Solution	
CHEMICAL FAMILY: Inorganic Salt		FORMULA: KCl	
DOT Proper Shipping Name: Hazardous Substance Solid N.O.S.		DOT ID Number: NA9188	
DOT Hazard Class: ORM-E			
Reportable Quantity: 10 lbs			

SECTION II - HAZARDOUS INGREDIENTS

This product contains 28.3% Potassium Chloride and is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 375. This information must be included in all the Material Safety Data Sheets that are copied and distributed for this material.

Other hazardous material is present in concentration greater than 1%.

SECTION III - PHYSICAL DATA

BILING POINT (°C):	5H ₂ O 150°C	SPECIFIC GRAVITY (H ₂ O= 1):	1.15
VAPOR PRESSURE (mmHg.):	NA	PERCENT, VOLATILE BY VOLUME (%):	NA
VAPOR DENSITY (AIR= 1):	NA	EVAPORATION RATE (Butyl acetate= 1)	NA
MELTING POINT:	4H ₂ O AT 110°C		
SOLUBILITY IN WATER:	% by Wt. @ 100%		
APPEARANCE AND ODOR:	Colorless Liquid. No odor, Strong Saline Taste		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NA

FLAMMABLE LIMITS: NA

EXTINGUISHING MEDIA: Does not burn, nor will it support combustion. If stored with other combustible products, use water, CO₂ dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: If water is used, it will solubilize the KCl * 5H₂O, and care should be used to keep such streams or other water bodies.

USUAL FIRE AND EXPLOSION HAZARDS: Negligible Fire Explosion Hazard.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NA

EFFECTS OF OVEREXPOSURE: May cause gastrointestinal irritation with nausea, vomiting, epigastric distress, abdominal discomfort, and diarrhea.

EMERGENCY AND FIRST AID PROCEDURES:

EYES AND SKIN: May cause irritation, tested in rabbit eyes, application of 500 MG for 24 hours resulted in mild irritation, concentrated solutions may cause a stinging sensation. Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids. Get medical attention immediately.

INGESTION: Immediately drink a large quantity of water, milk or egg whites; get medical attention immediately.

INHALATION: No Data Available

CARCINOGENICITY INFORMATION: Not listed as a carcinogen.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Bromine Trifluoride: May React Violently. Product readily dissolves in water. Solutions are corrosive to mild steel. Store solutions in plastic, rubber, 304, 347, or 316 stainless steel.

HAZARDOUS DECOMPOSITION PRODUCTS: None at normal process temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contact appropriate local, state, or federal pollution control officials if warranted and especially if spilled into public waters. If spill is confined to the use site, sweep or mop up. Flush spill area with water. Prevent accidental entry of solution into streams and other water supplies.

WASTE DISPOSAL METHOD: Dispose in an approved landfill according to Federal, State, and Local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Approved respirator in accordance with Paragraph 1910.134 of Title 29, CFR for dust or fumes.

VENTILATION: Local exhaust as needed to control exposures to below TLV level.

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Chemical goggles for fumes, dust or heat.

OTHER PROTECTIVE EQUIPMENT: Apron, boots, eye wash stations in work areas.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep Potassium Chloride in original container.

OTHER PRECAUTIONS: Do not get in eyes. Avoid contact with skin. Wash thoroughly after handling. Wash contaminated clothing before re-use. Do not re-use container for any purpose. Keep from cyanides. Store in a dry place.

THIS MATERIAL SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION.

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