



MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. PP 770
Effective Date April 21, 1999

SECTION V HEALTH HAZARD DATA

PP 770

Threshold Limited Value None established. (ACGIH 1992-93).
OSHA PEL: 15 mg/m³ total dust.

Effects of Overexposure **INHALATION:** Mild irritant. Dust inhalation may irritate nose, throat and lungs. May cause coughing. **EYES:** Contact with dust or mist may irritate eyes. Prolonged contact may cause redness, conjunctivitis. **SKIN:** Low hazard for usual laboratory handling. **INGESTION:** Swallowing large doses causes severe gastrointestinal irritation.

Emergency and First Aid Procedures **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Flush with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Moisture.
	Stable	X		

Incompatibility (Materials to Avoid) Active metals, such as aluminum and magnesium.

Hazardous Decomposition Products Oxides of sulfur and potassium.

Hazardous Polymerization	Conditions to Avoid		Not applicable.
	May Occur	Will Not Occur	
		X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Reclaim as much as possible. Sweep up and place in a suitable container for proper disposal. Flush spill area with soap and water.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.
Small spills: Dissolve in water and flush to sewer with copious amounts of water.
Large spills: Dispose of uncontaminated material in a sanitary landfill or contract with a licensed waste disposal service..

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved dust mask.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Not needed.	Other	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Apron, smock, eye wash station, proper gloves, goggles, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place. Avoid breathing dust. Use with adequate ventilation. Wash thoroughly after handling.
Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 7	Date 4/21/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	POTASSIUM SULFATE	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p>	Health	1
Chemical Synonyms	Sal Polychrestum		Fire	0
Formula	K ₂ SO ₄		Reactivity	0
Unit Size	up to 2.5 Kg.		HMIS *	
C.A.S. No.	7778-80-5		LEAST SLIGHT MODERATE HIGH EXTREME	0 1 2 3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Sulfate	100%	None established.

WARNING! IRRITANT TO EYES AND MUCOUS MEMBRANES.

SECTION III PHYSICAL DATA

Melting Point (°F)	1067°C (1953°F)	Specific Gravity (H₂O = 1)	2.662 at 20°C
Boiling Point (°F)	1689°C (3072°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl Ac. =1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	12 grams per 100 mL. water at 20°C.		
Appearance & Odor	White crystals, granular or powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media Use any media suitable for extinguishing supporting fire.

SPECIAL FIREFIGHTING PROCEDURES

None known.
In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Negligible fire and explosion hazard when material is exposed to heat or flame. Fire or excessive heat may produce hazardous decomposition products.

D.O.T. **NON-REGULATED.**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20