



# MATERIAL SAFETY DATA SHEET

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MSDS No. PP 320  
Effective Date April 13, 1999

## SECTION V HEALTH HAZARD DATA

PP 320

**Threshold Limited Value** None established (ACGIH 1992-93).  
LD s.c. in guinea pig: 3.0 g/kg.

**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:** 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

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Moisture.
	<b>Stable</b>	X		

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

**Hazardous Decomposition Products** Oxides of sulfur.

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>		Not applicable.
	<b>May Occur</b>	<b>Will Not Occur</b>	
		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 disposal. Flush spill area with water.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**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.  
Dissolve in water and flush to sewer with copious amounts of water or dispose of uncontaminated material in a sanitary landfill.

## SECTION VIII SPECIAL PROTECTION INFORMATION

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

<b>Ventilation</b>	<b>Local Exhaust</b>	None needed.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	None needed.	<b>Other</b>	No.

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

**Other Protective Equipment** Apron, smock, eye wash station.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place. Avoid breathing dust. 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.  
Avoid contact with skin and eyes.  
Remove and wash contaminated clothing.

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

<b>Revision</b> No. 5	<b>Date</b> 4/13/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> 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

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

## SECTION II INGREDIENTS OF MIXTURES

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

**CAUTION! MAY CAUSE IRRITATION TO EYES AND MUCOUS MEMBRANES ON CONTACT.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	1069°C (1956°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	2.662 at 20°C
<b>Boiling Point (°F)</b>	1072°C (1962°F)	<b>Percent Volatile by Volume (%)</b>	0 at 68°F
<b>Vapor Pressure (mm Hg)</b>	0 at 68°F	<b>Evaporation Rate ( =1)</b>	0 at 68°F
<b>Vapor Density (Air=1)</b>	Not applicable.		
<b>Solubility in Water</b>	112 grams per liter at 68°F		
<b>Appearance &amp; Odor</b>	White, grey fine crystals; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-flammable.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
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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