

## Material Safety Data Sheet

Aqua Solutions  
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24 Hour Emergency Assistance

<b>Section 1: Identification</b>					
Product Number:	P5444				
Product Name:	Potassium Permanganate Laboratory Grade, Crystal				
Trade/Chemical Synonyms					
Formula:	KMnO <sup>+</sup>				
RTECS:	SD6475000				
C.A.S	CAS# 7722-64-7				
Health:	3				
Flammability:	0				
Reactivity:	3				
Hazard Rating:	Least Slight Moderate High Extreme				
	0 1 2 3 4				
	NA = Not Applicable NE = Not Established				
<b>Section 2 Component Mixture</b>					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input type="checkbox"/>	Potassium Permanganate	CAS# 7722-64-7	100	W/W	OSHA PEL (C) 5 mg/mf (air)
<b>Section 3 Hazard Identification (See Also section 11)</b>					
Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.					
<b>Section 4 First Aid Measures</b>					
Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.					
FIRST AID: CALL A PHYSICIAN. SKIN: Remove contaminated clothing. Wash exposed area with soap and water.					
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen					
INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.					
<b>Section 5 Fire Fighting Measures</b>					
<b>Fire Extinguisher Type:</b>	Water only, no CO <sub>2</sub> , or Halon				
<b>Fire/Explosion Hazards:</b>	Powerful oxidizing material! May decompose if exposed to intense heat. May be explosive in contact with other chemicals.				
<b>Fire Fighting Procedure:</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.				
<b>Section 6 Accidental Release Measures:</b>					
Sweep up and place in suitable (metal) containers for reclamation or later disposal. Reduce material in aqueous solution with sodium thiosulfate, or bisulfite. Neutralize with bicarbonate to neutral pH.					
<b>Section 7 Handling and Storage:</b>					
Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.					
<b>Section 8 Exposure Controls/Personal Protection</b>					
Respiratory Protection: Dust mask.					
<b>Ventilation:</b>					
Mechanical:		<input type="checkbox"/>		Protective gloves: gloves to prevent skin exposure	
Local Exhaust:		<input checked="" type="checkbox"/>		Eye Protection: Splash Goggles	
<b>Other Protective Equipment:</b> Wear appropriate clothing to prevent skin exposure					
<b>Section 9 Physical and Chemical Properties</b>					
Melting Point:	Decomposed		Specific Gravity:	2.7	
Boiling Point:	N/A		Percent Volatile by Volume:	N/A	
Vapor Pressure:	N/A		Evaporation Rate:	N/A	
Vapor Density:	N/A		Evaporation Standard:		
Solubility in Water:	6% @20 Deg C		Autoignition Temperature:	N/A	
Appearance and Odors:	Dark purple crystals with metallic luster.		Lower Flamm. Limit in Air:	N/A	
Flash Point:	not flammable		Upper Flamm. Limit in Air:	N/A	
<b>Section 10 Stability and Reactivity Information</b>					
Stability: Stable Conditions to Avoid: Incompatible material, heat. Do not expose to formaldehyde!					
Materials to Avoid: Formaldehyde, Organics, acids, peroxides, oxidizable substances					
Hazardous Decomposition Products: Corrosive fumes or smoke may form in fire.					
Hazardous Polymerization: not known to occur					
Condition to Avoid: None known					
<b>Section 11 Additional Information:</b>					
Acute exposure: irritating or corrosive to body tissue on contact. Chronic exposure: May lead to lung irritation and central nervous system disorders. Conditions aggravated: This material will cause further irritation of tissue or open wounds, burns and mucous membranes.					
DOT Classification: Potassium Permanganate, 5.1, UN1490, PGII					
DOT regulations may change from time to time. Please Consult the most recent D.O.T. regulations					
Revision No:0		Date Entered: 9/1/2001		Approved by: RMC	

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