



# Material Safety Data Sheet

Potassium Permanganate Powder

Part Number: 05E031

Hukill Chemical Corporation

7013 Krick Road

Bedford, OH 44146-4493

## Section I: Chemical Product & Company Identification

<b>Manufacturer</b>	Hukill Chemical Corporation 7013 Krick Road Bedford, OH 44146-4493	<b>Emergency Telephone Number</b>	(800) 962-1143	
		<b>Chemtrec's Telephone Number</b>	(800) 424-9300	
		<b>Prepared By</b>	bcj	
<b>Telephone Number</b>	(440) 232-9400	<b>Date Prepared</b>	August 22, 2002	
<b>Fax Number</b>	(440) 232-9477	<b>HMIS</b>	<b>Health</b>	1
<b>Web Site</b>	http://www.hukill.com		<b>Flammability</b>	0
<b>Email</b>	hukill@hukill.com		<b>Reactivity</b>	0
<b>Synonyms</b>				

## Section II: Composition/Information On Ingredients

Hazardous Components	Reportable Under SARA Section 313	CAS Number	OSHA Limits (ppm)			ACGIH TLV (ppm)	%
			PEL	STEL	Ceiling		
Potassium permanganate	No	7722-64-7	5 *	N/A	5 *	0.2*	98-100
<i>* mg/m<sup>3</sup> instead of ppm.</i>							

## Section III: Hazardous Identification

<b>Emergency Overview:</b>							
Danger! Strong Oxidizer. Contact with other material may cause fire. Causes eye & skin burns. Causes severe respiratory irritation. Overexposure may cause kidney damage.							
<b>Route(s) of Entry</b>	<b>Inhalation?</b>	Yes	<b>Skin?</b>	Yes	<b>Ingestion?</b>	Yes	
<b>Health Hazards (Acute and Chronic)</b>							
Eye contact causes burns or severe irritation with corneal damage. Skin contact causes burns or severe irritation with permanent damage. Breathing causes severe mucous membrane and respiratory irritation with possible lung damage (pulmonary edema). Swallowing causes severe mucous membrane and gastrointestinal burns with shock, collapse and death.							
<b>Signs and Symptoms of Exposure</b>							
See Health Hazards.							
<b>Carcinogenicity</b>	<b>NTP</b>	No	<b>IARC Monographs</b>	No	<b>OSHA Regulated?</b>	No	
<b>Comments</b>	None.						

## Section IV: First Aid

<b>Eye Contact</b>	Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Speed in washing off corrosive material is of primary importance. Get immediate medical attention.
<b>Skin Contact</b>	Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention. Speed in washing off corrosive material is of primary importance.
<b>Inhalation</b>	Remove exposed person from source of exposure to fresh air. If not breathing, ensure clear airway and institute cardiopulmonary resuscitation. If breathing is difficult, administer oxygen if available. Keep affected person warm and at rest. Get immediate medical attention.
<b>Ingestion</b>	Immediately call a local physician, a local emergency room or a poison control center. Do not give anything by mouth if victim is semi-conscious or unconscious. If victim is conscious, give 1-3 glasses of water or milk.



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## Section V: Fire Fighting Measures

<b>Flash Point (method used)</b>	<b>Flammable Limits</b>	<b>LEL</b>	<b>UEL</b>
None		N/A	N/A
<b>Extinguishing Media</b>	WATER ONLY, no dry chemical, carbon dioxide or halon. Larger fires, flood fire area with water fr		
<b>Special Fire Fighting Procedures</b>			
Exposed firefighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.			
<b>Unusual Fire and Explosion Hazards</b>			
Oxidizers decompose, especially when heated, to yield oxygen or other gases which will increase the burning rate of other combustible matter. Contact with easily oxidizable, organic or other combustible materials may result in ignition, violent combustion or explosion.			

## Section VI: Accidental Release Measures

<b>Steps to Be Taken in Case Material is Released or Spilled</b>
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Vacuum or sweep up material and place into a suitable disposable container. Avoid runoff into storm sewers and ditches which lead to waterways. Avoid generating dusty conditions. Do not get water inside containers. Do not use combustible materials such as paper towels to clean up spill.
<b>Waste Disposal Method</b>
Disposal must be in accordance with federal, state and local regulations.

## Section VII: Handling And Storage

<b>Precautions to Be Taken in Handling and Storing</b>
Do not get in eyes, on skin or on clothing. Do not breathe dusts. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Remove contaminated clothing and clean before re-use. Shower after work using soap and water. Never handle when working alone. Keep from contact with clothing and other combustible materials. Store away from flammables, combustibles and other incompatible materials.
<b>Other Precautions</b>
Do not handle using combustible materials like paper.



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## Section VIII: Exposure Controls, Personal Protection

<b>Respiratory Protection (Specify)</b>	Dust mask is usually sufficient in areas where dust is a concern. Use the appropriate chemical cartridge, supplied-air, or SCBA if other circumstances require.		
<b>Ventilation</b>	<b>Local Exhaust</b>	Sufficient to keep dust concentrations below 5 mg/M3	
	<b>Mechanical (General)</b>	General or local ventilation	
	<b>Special</b>	None	<b>Other</b>
<b>Protective Gloves</b>	Chemical resistant.		
<b>Eye Protection</b>	Safety glasses with side shields or goggles.		
<b>Other Protective Clothing or Equipment</b>			
Covering exposed skin is always recommended when handling industrial chemicals.			
<b>Work/Hygienic Practices</b>			
Wash hands after handling chemicals and before eating, smoking, or using the toilet.			

## Section IX: Physical And Chemical Properties

<b>Boiling Point</b>	N/A	<b>Specific Gravity (H2O = 1)</b>	2.7
<b>Vapor Pressure (mm Hg)</b>	N/A	<b>Melting Point</b>	464F
<b>Vapor Density (Air = 1)</b>	N/A	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/A
<b>Solubility In Water</b>	7g/100g		
<b>Appearance and Odor</b>	<b>State</b>	Solid	
Odorless purple crystals			

## Section X: Stability And Reactivity

<b>Stability</b>	<b>Conditions to Avoid</b>	None.
Stable		
<b>Incompatibility (Material to Avoid)</b>	acids, powdered metals, halogens and halogenated materials, other strong oxidizers, reducing agents, sulfur and sulfites, organics, Fe/Hg salts	
<b>Hazardous Decomposition of Byproducts</b>	Oxygen and metal oxides	
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>	None.
Will not occur		

**DOT Shipping Name:** Potassium Permanganate

**Hazard Class:** 5.1

**UN Number:** UN1490

**PGII**

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