MATERIAL SAFETY DATA SHEET

POTASSIUM PERMANGANATE
(Pro-Pot Perm)

PRO PRODUCTS, LLC
502 Incentive Drive
Fort Wayne, IN 46825
1-800-285-9176

HMIS INFORMATION
Health: 1
Flammability: 0
Reactivity: 0
Special Hazard: Oxidizer

In case of emergency call: CHEMTREC 1-800-424-9300

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SECTION 1: PRODUCT INFORMATION

TRADE NAME: Potassium Permanganate
DESCRIPTION: Salt Crystal

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SECTION 2: HAZARDOUS INGREDIENTS

	CAS #	PEL	TLV
Potassium Permanganate	7722-64-7	N/A	N/A*

*Manufacturer recommends a Ceiling exposure limit of 5 mg/m3

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SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE, COLOR, ODOR: Dark purple solid with a metallic luster, odorless
BOILING POINT: NA
VAPOR PRESSURE: NA
VAPOR DENSITY: NA
EVAPORATION RATE: NA
SOLUBILITY IN WATER: 6.0% at 20^{0}C
SP. GRAVITY (WATER = 1): 2.7
20.0% at 65^{0}C
PERCENT VOLATILE: NONE

ND=NO DATA NA=NOT APPLICABLE

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SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT AND METHOD USED: NONE
EXTINGUISHING MEDIA: Use large quantities of water. Watch for rapid burning and be prepared to retreat to a safe distance. In presence of white, yellow, or brown fumes, wear a positive pressure SCBA and full protective clothing.
EXPLOSION HAZARD: Powerful oxidizer. May decompose spontaneously if exposed to intense heat (150^{0}C/302^{0}F). May be explosive in contact with some other chemicals. May react violently with finely divided and readily oxidizable substance. Increases flammability of combustible materials.

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SECTION 5: CHEMICAL REACTIVITY

REACTIVITY: Stable under normal conditions.
CONDITIONS TO AVOID: Contact with incompatible materials or heat (>150^{0}C/302^{0}F).
CHEMICAL INCOMPATIBILITIES: Contact with acids, peroxides, and all combustible organic or readily oxidizable materials including inorganic oxidizable materials and metal powders. With hydrochloric acid, chlorine gas is liberated. Do not mix with formaldehyde.
HAZARDOUS DECOMPOSITION: Thermal decomposition products include corrosive fumes or smoke.
HAZARDOUS POLYMERIZATION: Will not occur

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SECTION 6: CHRONIC TOXICITY

CARCINOGEN STATUS: No reports of carcinogenicity found in NTP, IARC or OSHA lists.
INHALATION: Manganese oxides may produce lung irritation and central nervous system disorder. Symptoms may simulate Parkinson's disease.
SKIN CONTACT: None
INGESTION: None
MEDICAL CONDITIONS EXACERBATED BY OVEREXPOSURE: May cause further irritation of tissue or open wounds, burns and mucous membranes.
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SECTION 7: ACUTE HEALTH HAZARDS

INHALATION: Irritation of the upper respiratory tract
SKIN: Irritating or corrosive to body tissue upon contact, leaving brown stains on the skin.
INGESTION: May cause severe burns to mucous membranes of the mouth, throat, esophagus, and stomach.
MEDICAL CONDITIONS EXACERBATED BY OVEREXPOSURE: May cause further irritation of tissue or open wounds, burns and mucous membranes.
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SECTION 8: FIRST AID

EYE AND SKIN CONTACT: Irrigate affected area with copius amounts of water for at least 15 minutes. Do not attempt to chemically neutralize. Seek medical attention immediately.
INHALATION: Move to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.
INGESTION (SWALLOWING): *DO NOT INDUCE VOMITING.* If conscious, give large quantities of water. Call a physician or local poison control center.
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SECTION 9: HANDLING AND STORAGE

SAFE STORAGE: Protect containers against physical damage. Store in a cool, dry area in closed containers. Segregate from acids, peroxides, and all combustible, organic, or easily oxidizable materials.
SAFE DISPOSAL: Reduce material in aqueous solution with sodium thiosulfate (Hypo), a bisulfite, or ferrous salt solution. The bisulfite or ferrous salt may require some dilute sulfuric acid to promote rapid reduction. Neutralize with sodium bicarbonate to neutral pH if acid is used. Decant or filter and mix formed sludge with sodium carbonate and deposit in an approved landfill. Where permitted, the sludge can be flushed into sewer with large quantities of water. Follow all federal, state, and local regulations.
IN CASE OF SPILL: Contain and Neutralize
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SECTION 10: CONTROL MEASURES

PROTECTIVE EQUIPMENT: Gloves – Use rubber or plastic; Eyes – face shield and/or goggles; Respirator – use NIOSH approved dust and mist respirator; Other – normal clothing, covering arms and legs and rubber apron. All PPE must be selected and used in accordance with Subpart I of the OSHA General Industry Standards.
VENTILATION: Provide local exhaust or process enclosure ventilation.
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Purdue University Environmental Management and Education Program.
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