

**MATERIAL SAFETY DATA SHEET**  
 LaMOTTE COMPANY  
 PO BOX 329 - CHESTERTOWN - MARYLAND - 21620  
 TELEPHONE # FOR INFORMATION 410-778-3100  
**24 Hour Emergency Number (CHEM-TEL) 800-255-3924**

**1. PRODUCT IDENTIFICATION**

**Manganese Reagent #1**

*Code Nr.* **5262**

**2. HAZARDOUS INGREDIENTS**

NAME	CAS #	TSCA #	%	PEL	TLV
Potassium Hydroxide	1310-58-03		2	N/A	C 2 mg/cubic m

**3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)**

NAME	CAS #	%
Potassium Meta-periodate	7790-21-8	9
Water to 100%		

**4. PHYSICAL DATA**

*Appearance:* Clear Colorless Liquid  
*Solubility in Water:* Soluble    *Odor:* None    *Boiling Point:* Unknown    *Melt. Point:* Unknown  
*Vapor Pressure:* <17 @ 20deg C    *Vapor Density:* <1 (Air=1)    *pH:* 13

**5. FIRE AND EXPLOSION DATA**

*Flash Point (method used):* N/A    *Flammable Limit: LEL:* N/A    *UEL:* N/A  
*Extinguishing Media:* Not a fire hazard  
*HMIS Hazard: Health - 2 Flammability - 0 Reactivity - 0 Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least*  
*Special Fire Fighting Procedures:*  
 N/A  
*Unusual Fire & Explosion Hazard:*  
 N/A

**6. REACTIVITY DATA**

*Stability:* *Conditions to avoid:* N/A  
 *Stable*    *Incompatibility (Materials to avoid):*  
 Strong acids  
 *Unstable*    *Hazardous Decomposition Products:* N/A

**7. HEALTH HAZARD DATA**

*Toxicity:* Unknown  
*Primary Route of Entry:*     *Inhalation*     *Skin*    *Carcinogenicity:*     *None*     *NTP*  
     *Ingestion*     *N/A*      *OSHA*     *IARC*  
*Other Health Related Comments:*  
  
*Target Organs:* N/A  
*Signs and symptoms of exposure:*  
 Causes severe eye and skin irritation. Harmful if swallowed.  
*Medical Condition Aggravated by Exposure:* N/A

**8. EMERGENCY FIRST AID PROCEDURES**

*Eye Contact:* Flush with water for at least 15 minutes. Consult a physician.  
*Ingestion:* Do not induce vomiting. Rinse out mouth. Drink plenty of water. Call a doctor.  
*Inhalation:*  
 N/A  
*Skin Contact:*  
 Immediately flush with water. Remove affected clothing and flush skin for 15 minutes.

**9. SPILL AND DISPOSAL PROCEDURES**

*Spill and Leak:*  
 Carefully neutralize with 6M HCl then flush down drain with excess water.  
  
*Disposal:*  
 Pour into water. Carefully neutralize with 6M HCl. Flush down drain with excess water. Dispose according to federal, state and local regulations.

**10. PRECAUTIONARY MEASURES**

*In Handling:*     *Gloves*     *Eve Protection*     *N/A*     *Other:* Lab Coat  
*Ventilation*     *Normal*     *Mechanical*     *Respiratory Protection*  
*Work/Hygienic Practices:* Avoid contact with skin and clothing.

**11. SPECIAL PRECAUTIONS**

N/A

**DATE:** 8/25/99    The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

† This is a toxic chemical subject to reporting requirements of section 313 of EPCRA and 40CFR372.