

MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY
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TELEPHONE # FOR INFORMATION 410-778-3100

24 Hour Emergency Number (CHEM-TEL) 800-255-3924

1. PRODUCT IDENTIFICATION

Ferrous Iron Reagent

Code Nr. **5264**

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Ethyl Alcohol	64-17-5		93	1900 mg/cubic m	1000 ppm
Methyl Alcohol	67-56-1		5	260 mg/cubic m	200 ppm
2,2' Bipyridine	366-18-7		2	N/A	N/A

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

NAME	CAS #	%
None		

4. PHYSICAL DATA

<i>Appearance:</i> Light yellow Liquid			
<i>Solubility in Water:</i> Soluble	<i>Odor:</i> Alcohol	<i>Boiling Point:</i> ca. 78 deg C	<i>Melt. Point:</i> N/A
<i>Vapor Pressure:</i> ca 50 mm @ 20 C	<i>Vapor Density:</i> 1.6(Air=1)	<i>pH:</i> N/A	

5. FIRE AND EXPLOSION DATA

<i>Flash Point (method used)</i> ca 13 deg C-closedcup	<i>Flammable Limit: LEL:</i> 3.3%	<i>UEL:</i> 19%
<i>Extinguishing Media:</i> Dry chemical, CO2, or water spray		
<i>HMIS Hazard: Health - 2 Flammability - 3 Reactivity - 0</i> <i>Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least</i>		
<i>Special Fire Fighting Procedures:</i> N/A		
<i>Unusual Fire & Explosion Hazard:</i> Vapors may travel distance to ignition source and flash back.		

6. REACTIVITY DATA

<i>Stability:</i>	<i>Conditions to avoid:</i> Heat, sources of ignition
<input checked="" type="checkbox"/> <i>Stable</i>	<i>Incompatibility (Materials to avoid):</i> Contact with nitric acid or other strong oxidizers
<input type="checkbox"/> <i>Unstable</i>	<i>Hazardous Decomposition Products:</i> COx, NOx, cyanides

7. HEALTH HAZARD DATA

<i>Toxicity:</i> orl hmn LDLo:143mg/kg for methanol; orl rat LD50: 100mg/kg for 2,2'Bipyridine	
<i>Primary Route of Entry:</i>	<input checked="" type="checkbox"/> <i>Inhalation</i> <input checked="" type="checkbox"/> <i>Skin</i> <i>Carcinogenicity:</i> <input checked="" type="checkbox"/> <i>None</i> <input type="checkbox"/> <i>NTP</i> <input checked="" type="checkbox"/> <i>Ingestion</i> <input type="checkbox"/> <i>N/A</i> <input type="checkbox"/> <i>OSHA</i> <input type="checkbox"/> <i>IARC</i>
<i>Other Health Related Comments:</i>	
<i>Target Organs:</i> Bladder, Kidney, Central Nervous System	
<i>Signs and symptoms of exposure:</i> Vapors and liquid harmful by inhalation, ingestion, or absorption through skin. Causes headaches, nausea, dizziness, respiratory failure. Ingestion may be fatal or cause blindness.	
<i>Medical Condition Aggravated by Exposure:</i> N/A	

8. EMERGENCY FIRST AID PROCEDURES

<i>Eye Contact:</i> Flush thoroughly with water for 15 minutes. Consult physician.
<i>Ingestion:</i> Drink water. Call a physician immediately.
<i>Inhalation:</i> Remove to fresh air. Consult physician.
<i>Skin Contact:</i> Flush skin thoroughly with water. Wash with soap and water.

9. SPILL AND DISPOSAL PROCEDURES

<i>Spill and Leak:</i> Eliminate all sources of ignition. Absorb on paper. Evaporate on iron pan in fume hood.
<i>Disposal:</i> Small quantity: Flush down drain with excess water. Large quantity: Atomize into an incinerator. Dispose according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

<i>In Handling:</i> <input checked="" type="checkbox"/> <i>Gloves</i> <input checked="" type="checkbox"/> <i>Eye Protection</i> <input type="checkbox"/> <i>N/A</i> <input checked="" type="checkbox"/> <i>Other:</i> Lab Coat
<i>Ventilation</i> <input type="checkbox"/> <i>Normal</i> <input checked="" type="checkbox"/> <i>Mechanical</i> <input type="checkbox"/> <i>Respiratory Protection</i>
<i>Work/Hygiene Practices:</i> Use with adequate ventilation and avoid contact with skin.

11. SPECIAL PRECAUTIONS

Do not use near heat or flame

DATE: 7/9/01 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.