MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY
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1. PRODUCT IDENTIFICATION

Manganese Reagent #2 *Code Nr.* **5263**

2. HAZARDOUS INGREDIENTS

NAME	*CAS #*	*TSCA #*	*%*	*PEL*	*TLV*
Acetic Acid	64-19-7		20	10 ppm	25 mg/cubic m
Sodium Hydroxide	1310-73-2		0.8	2 mg/cubic m	C 2 mg/cubic m
^ 4, 4' Methylene bis (N, N-Dimethylaniline) ; (Michler's Base)	101-61-1		2.5	N/E	N/E

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

NAME	*CAS #*	*%*
Water to 100%		

4. PHYSICAL DATA

Appearance: Light yellow Liquid

Solubility in Water: Soluble	*Odor:* Vinegar	*Boiling Point:* Unknown	*Melt. Point:* N/A
Vapor Pressure: Unknown	*Vapor Density:* Unknown	*pH:* 3	

5. FIRE AND EXPLOSION DATA

Flash Point (method used) N/A | *Flammable Limit: LEL:* N/A | *UEL:* N/A

Extinguishing Media: Water spray

HMIS Hazard: Health - 2 *Flammability -* 1 *Reactivity -* 1 *Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least*

Special Fire Fighting Procedures:
Firefighters wear self-contained breathing apparatus

Unusual Fire & Explosion Hazard:
Vapors may travel distance to ignition source and flash back.

6. REACTIVITY DATA

Stability:
☒ *Stable*
☐ *Unstable*

Conditions to avoid: Heat, sources of ignition

Incompatibility (Materials to avoid):
Alkalies, oxidizers, strong acids (nitric or sulfuric), metals

Hazardous Decomposition Products: COx, NOx

7. HEALTH HAZARD DATA

Toxicity: Product contains Michler's Base, a chemical known to the state of CA to cause cancer.

Primary Route of Entry: ☒ *Inhalation* ☒ *Skin* ☒ *Ingestion* ☐ *N/A*

Carcinogenicity: ☐ *None* ☒ *NTP* ☐ *OSHA* ☒ *IARC*

Other Health Related Comments:
IARC-27,119,82 for 4,4Methylene bis (N,N-Dimethylaniline): cancer/heritable genetic damage in humans

Target Organs: Liver, Lungs, Skin, Thyroid,

Signs and symptoms of exposure:
Vapors and liquid cause irritation to eyes, skin and respiratory system. Harmful if swallowed.

Medical Condition Aggravated by Exposure: Respiratory problems

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Immediately flush with water for 15 minutes. Consult a physician.

Ingestion: Rinse mouth, drink plenty of water. Call a doctor immediately.

Inhalation:
Remove to fresh air. If breathing is difficult give oxygen.

Skin Contact:
Immediately flush with water for 15 minutes while removing affected clothing. Wash skin with soap and water. Consult physician.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
Do not breathe vapors. Wear NIOSH approved respirator w/acid gas cartridge if airborne concentration exceeds TLV. Cover contaminated area w/soda ash or sodium bicarbonate. Scoop up neutralized slurry & flush down drain w/excess water.

Disposal:
Neutralize with soda ash or sodium bicarbonate. Flush down drain with excess water. Dispose according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

In Handling: ☒ *Gloves* ☒ *Eye Protection* ☐ *N/A* ☒ *Other:* Lab Coat

Ventilation ☐ *Normal* ☒ *Mechanical* ☐ *Respiratory Protection*

Work/Hygienic Practices: Avoid contact with liquid and vapors.

11. SPECIAL PRECAUTIONS

Store away from heat and incompatibles (strong acids, metals).

DATE: 10/4/01

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.