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

Nitrate Reagent #2 *Code Nr.* **5147**

2. HAZARDOUS INGREDIENTS

	NAME	*CAS #*	*TSCA #*	*%*	*PEL*	*TLV*
^	Manganous Sulfate Monohydrate	10034-96-5	7785-87-7	1.5	C 5 mg/cubic m dust,as Mn	C 5 mg/cubic m dust,as Mn
^	Zinc Dust	7440-66-6		6	N/E	10 mg/cubic m
	Barium Sulfate	7727-43-7		63	10 mg/cubic m (dust)	10 mg/cubic m (dust)
	Sulfanilamide	63-74-1		<1	N/E	N/E
	N-1-Naphthyl-ethylenediamine dihydrochloride	1465-25-4		<1	N/E	N/E

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

NAME	*CAS #*	*%*
Sugar	57-50-1	28

4. PHYSICAL DATA

Appearance: Off white Powder

Solubility in Water: Partial	*Odor:* None	*Boiling Point:* N/A	*Melt. Point:* Unknown
Vapor Pressure: N/A	*Vapor Density:* N/A	*pH:* 6 (0.1g/10mL water)	

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 - 1 *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:
☒ *Stable*
☐ *Unstable*

Conditions to avoid: Heat, moisture

Incompatibility (Materials to avoid):
Strong acids

Hazardous Decomposition Products: N/A

7. HEALTH HAZARD DATA

Toxicity: Unknown

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

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

Other Health Related Comments:
Manganese sulfate and sulfanilamide are possible mutagens, which may cause heritable genetic damage.

Target Organs: N/A

Signs and symptoms of exposure:
Harmful by dust inhalation and if swallowed. May cause skin irritation.

Medical Condition Aggravated by Exposure: N/A

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush thoroughly with water.

Ingestion: Drink water. Consult a physician.

Inhalation:
Remove to fresh air.

Skin Contact:
Wash with soap and water.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
Small quantity: Sweep up, dissolve in water and flush down drain. Large quantity: Sweep up. Place in clean, dry, closed container. Send to approved landfill or to hazardous waste disposal.

Disposal:
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 skin and clothing and inhalation of dust. Wash after handling.

11. SPECIAL PRECAUTIONS

Store tightly closed, away from heat and moisture.

DATE: 8/20/01

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.