

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

Nitrogen Indicator Powder

Code Nr. 5703

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Λ 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
Λ Zinc Dust	7440-66-6		6	N/E	10 mg/cubic m
Barium Sulfate	7727-43-7		63	10mg/cubic m (dust)	10mg/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

<i>Appearance:</i> Off white Powder			
<i>Solubility in Water:</i> Partial	<i>Odor:</i> None	<i>Boiling Point:</i> N/A	<i>Melt. Point:</i> Unknown
<i>Vapor Pressure:</i> N/A	<i>Vapor Density:</i> N/A	<i>pH:</i> 6 (0.1g/10mL water)	

5. FIRE AND EXPLOSION DATA

<i>Flash Point (method used):</i> N/A	<i>Flammable Limit: LEL:</i> N/A	<i>UEL:</i> N/A
<i>Extinguishing Media:</i> Not a fire hazard		
<i>HMIS Hazard: Health - 1 Flammability - 0 Reactivity - 0 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> N/A		

6. REACTIVITY DATA

<i>Stability:</i>	<i>Conditions to avoid:</i> Heat, moisture
<input checked="" type="checkbox"/> <i>Stable</i>	<i>Incompatibility (Materials to avoid):</i> Strong acids
<input type="checkbox"/> <i>Unstable</i>	<i>Hazardous Decomposition Products:</i> N/A

7. HEALTH HAZARD DATA

<i>Toxicity:</i> Unknown	
<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> Both manganese sulfate and sulfanilamide are possible mutagens; mutagens can cause heritable genetic damage.	
<i>Target Organs:</i> N/A	
<i>Signs and symptoms of exposure:</i> Harmful by dust inhalation and if swallowed. May cause skin irritation.	
<i>Medical Condition Aggravated by Exposure:</i> N/A	

8. EMERGENCY FIRST AID PROCEDURES

<i>Eye Contact:</i> Flush thoroughly with water. Consult physician if irritation persists.
<i>Ingestion:</i> Drink water. Consult a physician.
<i>Inhalation:</i> Remove to fresh air.
<i>Skin Contact:</i> Flush with water. Wash with soap and water.

9. SPILL AND DISPOSAL PROCEDURES

<i>Spill and Leak:</i> Small quantity: Sweep up, dissolve in water and flush down drain with excess water. Large quantity: Sweep up. Place in clean, dry, closed container. Send to approved landfill or to hazardous waste disposal.
<i>Disposal:</i> 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/Hygienic Practices:</i> Avoid contact with skin and clothing and inhalation of dust. Wash after handling.

11. SPECIAL PRECAUTIONS

Store tightly closed, away from heat & moisture.
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DATE: 12/20/03

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.