



# MSDS

P.O. Box 329 - 802 Washington Avenue Chestertown, MD 21620 - USA

## MATERIAL SAFETY DATA SHEET

TELEPHONE # FOR INFORMATION 410 778-3100

24 HOUR EMERGENCY NUMBER (CHEM-TEL): USA, Canada, Puerto Rico 800-255-3924;

Outside North American Continent 813-248-0585 (call Collect)

### 1. Product Identification

**Product Code:** 5147

**Product Description:** Nitrate Reagent #2

**Manufactured By:** LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	10034-96-5 Manganous Sulfate Monohydrate	1.5	C 5 mg/cubic m (comp. as Mn)	0.2 mg/cubic m (inorg comp as Mn)
Yes	7440-66-6 Zinc Dust	6	N/E	10 mg/cubic m, ZnO fume
Yes	7727-43-7 Barium Sulfate	63	10 mg/cubic m total dust	10 mg/cubic m total dust
Yes	63-74-1 Sulfanilamide	<1	N/E	N/E
Yes	1465-25-4 N-1-Naphthyl-ethylenediamine dihydrochloride	<1	N/E	N/E
Yes	57-50-1 Sugar	28	5 mg/cubic m (respirable)	10 mg/cubic m (total dust)



## **7. Handling & Storage**

Store tightly closed in cool, dry place away from heat, moisture, and strong acids.

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Mechanical

### **Protection When Handling**

Gloves Eye Protection Lab Coat

**Work/Hygenic Practices:** Avoid contact with skin and clothing and inhalation of dust. Wash after handling.

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## **9. Physical & Chemical Properties**

**Appearance:** Off white Powder

**Solubility In Water:** Partial

**Odor:** None

**pH:** 6 (0.1g/10mL water)

**Vapor Density:** N/A

**Vapor Pressure:** N/A

**Boiling Point:** N/A

**Melting Point:** Unknown

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat, moisture

**Incompatibility (Materials To Avoid):** Strong acids

**Hazardous Decomposition Products:** N/A

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**11. Toxicological Information**

Manganese sulfate monohydrate--Oral rat LD50: 2150 mg/kg. Sulfanilamide--Oral rat LD50: 3900mg/kg . Both chemicals have been investigated as possible tumorigens, mutagens, or reproductive effectors.

**Target Organs:** Blood Central Nervous System Kidney Lung Skin

**12. Ecological Information**

Information Not Yet Available

**13. Disposal Considerations**

Dispose according to federal, state and local regulations.

**14. Transportation Information**

Not Regulated For Transport

**15. Regulatory Information****Chemical Inventory Status**

Hazard	Ingredient	USA		--- Canada ---		Australia	Japan
		TSCA	Europe EC	DSL	NDSL		
Yes	7785-87-7 Manganese Sulfate, anhydrous	Yes	Yes	Yes	No	Yes	Yes
Yes	7440-66-6 Zinc Dust	Yes	Yes	Yes	No	Yes	No
Yes	7727-43-7 Barium Sulfate	Yes	Yes	Yes	No	Yes	Yes
Yes	63-74-1 Sulfanilamide	Yes	Yes	Yes	No	Yes	Yes
Yes	1465-25-4 N-1-(Naphthyl) ethylenediamine dihydrochloride	Yes	Yes	Yes	No	Yes	No
Yes	57-50-1 Sucrose	Yes	Yes	Yes	No	Yes	Yes

**Federal, State, & International Regulations**

<b>Ingredient</b>	<b>--- SARA 302 ---</b>		<b>----- SARA 313 -----</b>		<b>CERCLA</b>	<b>RCRA 261.33</b>	<b>TSCA 8(D)</b>
	<b>RQ</b>	<b>TPQ</b>	<b>Listed</b>	<b>Chemical Category</b>			
7785-87-7 Manganese Sulfate, anhydrous	No	No	No	Manganese cmpnd	1	No	No
7440-66-6 Zinc Dust	No	No	Yes	No	1000	No	No
7727-43-7 Barium Sulfate	No	No	No	No	No	No	No
63-74-1 Sulfanilamide	No	No	No	No	No	No	No
1465-25-4 N-1-(Naphthyl) ethylenediamine dihydrochloride	No	No	No	No	No	No	No
57-50-1 Sucrose	No	No	No	No	No	No	No

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--- SARA 311/312 ---

----- Australia -----

**Hazard Categories**

**Hazchem  
Code**

**Poison  
Schedule**

**This MSDS Is  
WHMIS Compliant**

**Ingredient**

**Acute**

**Chronic**

**Fire**

**Pressure**

**Reactivity**

7785-87-7

Yes

Yes

No

No

No

None Allocated

None Allocated

Manganese Sulfate, anhydrous

7440-66-6

Yes

No

Yes

No

Yes

4Y

S6

Zinc Dust

7727-43-7

Yes

No

No

No

No

None Allocated

None Allocated

Barium Sulfate

63-74-1

Yes

No

No

No

No

None Allocated

None Allocated

Sulfanilamide

1465-25-4

Yes

No

No

No

No

None Allocated

None Allocated

N-1-(Naphthyl) ethylenediamine dihydrochloride

57-50-1

No

No

Yes

No

No

None Allocated

None Allocated

Sucrose

**product 5147  
as a whole**

Yes

Yes

Yes

No

No

None Allocated

None Allocated

Yes

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**16. Other Information**

**Prepared By:** IP, Regulatory Affairs Department

**Revised:** 2006-07-28

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