

MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY

P.O. BOX 329 - CHESTERTOWN, MARYLAND 21620

TELEPHONE # FOR INFORMATION 410 778-3100

24 HOUR EMERGENCY NUMBER (CHEM-TEL) 800-255-3924

1. PRODUCT IDENTIFICATION

Product Code: 5347

Product Description: Magnesium Nitrate, 1M
(Nutrient solution #7)

2. HAZARDOUS INGREDIENTS

CAS#/Name	%	PEL	TLV
13446-18-9 Magnesium Nitrate Hexahydrate	26	N/E	N/E

3. NON-HAZARDOUS INGREDIENTS

Name	CAS #	%
Water to 100%		

4. PHYSICAL DATA

Appearance:	Colorless Clear Liquid	Vapor Density:	<1 (Air=1)
Solubility In Water:	Soluble	Vapor Pressure:	<17 @ 20 deg C
Odor:	None	Boiling Point:	>100 deg C
pH:	4	Melting Point:	Unknown

5. FIRE & EXPLOSION DATA

HMIS Hazard			Flammable Limit	
Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least			LEL: N/A	UEL: N/A
Health: 1	Flammability: 0	Reactivity: 1		

Extinguishing Media: Water spray

Flash Point (Method Used): N/A

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazard: Strong oxidizer. Contact with combustibles may cause fire. Emits toxic fumes under fire conditions.

6. REACTIVITY DATA

Stable: True

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Strong acids, reducing agents, powdered metals, cyanides, combustibles

Hazardous Decomposition Products: NOx

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7. HEALTH HAZARD DATA

Toxicity: orl rat LD50: orl rat LD50: 5440 mg/Kg for Magnesium Nitrate solid

Primary Route Of Entry: Ingestion Skin

Carcinogenicity: None

Other Health Related Comments:

Target Organs:

Signs and Symptoms of Exposure: May irritate eyes and skin. Ingestion of large quantities may cause gastrointestinal irritation and circulatory problems.

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush thoroughly with water. Consult physician.

Ingestion: Drink plenty of water. Consult physician.

Inhalation: N/A

Skin Contact: Flush with water. Wash with soap and water.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak: Mop up and flush down drain with excess water.

Disposal: Flush down drain with excess water. Dispose according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

In Handling: Gloves Eye Protection Other

Ventilation: Normal

Other: Lab Coat

Work/Hygienic Practices: Avoid contact with skin and clothing.

11. SPECIAL PRECAUTIONS

Store container tightly closed and away from heat and combustible materials.

Date: 3/1/2004
