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

Calcium and Magnesium Buffers *Code Nr.* **5126**

2. HAZARDOUS INGREDIENTS

NAME	*CAS #*	*TSCA #*	*%*	*PEL*	*TLV*
Ammonium Hydroxide (16% w/w aqueous ammonia)	1336-21-6		57	35 ppm as NH3	25 ppm as NH3
Ammonium Chloride	12125-02-9		7	10 mg/cubic m (fume)	10 mg/cubic m (fume)

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

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

4. PHYSICAL DATA

Appearance: Clear Colorless Liquid

Solubility in Water: Soluble	*Odor:* Pungent, ammonia	*Boiling Point:* Unknown	*Melt. Point:* N/A
Vapor Pressure: ca. 32mm @ 25 C	*Vapor Density:* Unknown	*pH:* 11	

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 SCBA.

Unusual Fire & Explosion Hazard:
Gives off flammable vapors. Closed containers exposed to heat may explode.

6. REACTIVITY DATA

Stability:
☒ *Stable*
☐ *Unstable*

Conditions to avoid: Heat, light

Incompatibility (Materials to avoid):
Metals, chlorine, bleaches, acids

Hazardous Decomposition Products: ammonia, NOx

7. HEALTH HAZARD DATA

Toxicity: Unknown

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

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

Other Health Related Comments:

Target Organs: Lungs,

Signs and symptoms of exposure:
Vapors harmful to mucous membranes. Causes severe burns and may be fatal if swallowed.

Medical Condition Aggravated by Exposure: Respiratory conditions

8. EMERGENCY FIRST AID PROCEDURES

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

Ingestion: Do not induce vomiting. Rinse mouth. Drink plenty of water. Call a doctor.

Inhalation:
Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen.

Skin Contact:
Immediately flush with water for 15 minutes while removing affected clothing.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
Ventilate spill area. Wear NIOSH approved respirator w/ ammonia vapor cartridge if conc. exceeds TLV. Carefully neutralize w/ dilute hydrochloric acid. Mop up and flush to drain with excess water.

Disposal:
Neutralize with dilute hydrochloric acid and 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: Use only with adequate ventilation and avoid contact with skin or clothing.

11. SPECIAL PRECAUTIONS

Store tightly closed, away from heat, light, and acids.

DATE: 9/8/00

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.