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

Sodium Hydroxide Reagent with metal inhibitor *Code Nr.* **4259**

2. HAZARDOUS INGREDIENTS

NAME	*CAS #*	*TSCA #*	*%*	*PEL*	*TLV*
Sodium Hydroxide	1310-73-2		5.4	2 mg/cubic m	C 2 mg/cubic m
Triethanolamine; (Trolamine)	102-71-6		5.6	N/E	N/E

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

NAME	*CAS #*	*%*
Magnesium Chloride	7791-18-6	<0.1
Water to 100%		

4. PHYSICAL DATA

Appearance: Clear Colorless Liquid

Solubility in Water: Soluble	*Odor:* None	*Boiling Point:* Unknown	*Melt. Point:* N/A
Vapor Pressure: <1 mm @ 20 degC	*Vapor Density:* >1 (Air=1)	*pH:* 13 - 14	

5. FIRE AND EXPLOSION DATA

Flash Point (method used) Flam.limits,trolamine | *Flammable Limit: LEL:* 1% | *UEL:* 8%

Extinguishing Media: Not a fire hazard

HMIS Hazard: Health - 1 *Flammability -* 0 *Reactivity -* 1 *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, light

Incompatibility (Materials to avoid):
Strong acids, oxidizers, metal powders.

Hazardous Decomposition Products: NOx, COx

7. HEALTH HAZARD DATA

Toxicity: orl rat LD50: 8 grams/kg for triethanolamine

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

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

Other Health Related Comments:
Trolamine is irritating to eyes, respiratory system and skin. Can cause dermatitis.

Target Organs: N/A

Signs and symptoms of exposure:
Causes severe eye and skin irritation. Harmful if swallowed.

Medical Condition Aggravated by Exposure: N/A

8. EMERGENCY FIRST AID PROCEDURES

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

Ingestion: Do not induce vomiting. Rinse out mouth, drink plenty of water, and call a doctor.

Inhalation:
If vapor or mist is inhaled, remove to fresh air.

Skin Contact:
Immediately flush with water. Remove affected clothing and rinse skin thoroughly.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
Carefully neutralize with vinegar, 6M HCl, or other dilute acid. Mop up and flush down drain with excess water.

Disposal:
Pour neutralized solution into large amount of water 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: Avoid contact with eyes, skin and clothing.

11. SPECIAL PRECAUTIONS

N/A

DATE: 8/10/02

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.