



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: 5145

Product Description: Manganese-Magnesium
Test Solution #2

Manufactured By: LaMotte Company
802 Washington Avenue
Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	1310-73-2 Sodium Hydroxide	15	C 2 mg/m ³	C 2 mg/m ³
No	7732-18-5 Water	85	None Established	None Established

3. Hazards Overview

Primary Route Of Entry: Eye Skin Ingestion Inhalation

Poison! Danger! Corrosive. Liquid and mist cause severe burns to all body tissue. Inhalation may cause coughing, chest pains, damage to lungs. Ingestion may be fatal. Reacts with water, acids, and other materials.

HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 3 Flammability: 0 Reactivity: 2

Carcinogenicity: None:

Other Health Related Comments:

Sodium hydroxide has been investigated as a mutagen.

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4. First Aid Measures

Eye Contact: Immediately flush with water for 15 minutes while periodically lifting upper and lower eyelids. Contact physician immediately.

Skin Contact: Flush with water for 15 minutes while removing affected clothing/shoes. Wash. Contact physician. Wash clothing prior to reuse.

Ingestion: DO NOT induce vomiting. Drink several glasses of water or milk. Contact physician immediately.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, begin artificial respiration and seek immediate medical attention.

5. Fire Fighting Measures

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Not a fire hazard

Special Fire Fighting Procedures: Wear protective equipment.

Unusual Fire & Explosion Hazard: Can react with metals to produce hydrogen gas which can form an explosive mixture with air.

6. Accidental Release Measures

Wear appropriate PPE and ventilate area. Neutralize spill with 6M hydrochloric (or similar) acid, place into chemical waste container, and hold for disposal. Dispose according to federal, state, and local regulations.

7. Handling & Storage

Store in cool, dry, area away from incompatible materials such as strong acids and metals

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8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Eye Protection Gloves Lab Coat

chemical gloves

safety glasses

Work/Hygenic Practices: Avoid all contact with eyes, skin, or clothing. Wash after handling.

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: None

pH: 14

Vapor Density: Unknown

Vapor Pressure: <13 mm @ 20° C

Boiling Point: 107° C

Melting Point: ca. -10° C

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Strong acids, metals

Hazardous Decomposition Products: N/A

11. Toxicological Information

Target Organs: Corrosive to all body parts Eyes Skin

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Dispose according to federal, state, and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: SODIUM HYDROXIDE SOLUTION

IATA: SODIUM HYDROXIDE SOLUTION

Hazard Class/Div:

DOT: 8

IATA: 8

UN: 1824

Packing Group: II

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA TSCA	Europe EC	--- Canada --- DSL NDSL		Australia	Japan
Yes	1310-73-2 Sodium Hydroxide	Yes	Yes	Yes	No	Yes	Yes
No	7732-18-5 Distilled Water	Yes	Yes	Yes	No	Yes	Yes

Federal, State, & International Regulations

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA 261.33	TSCA 8(D)
	RQ	TPQ	Listed	Chemical Category			
1310-73-2 Sodium Hydroxide	No	No	No	No	1000	No	No
7732-18-5 Distilled Water	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**

1310-73-2 Yes No No No Yes
Sodium Hydroxide

7732-18-5 No No No No No None Allocated None Allocated
Distilled Water

product 5145 Yes Yes No No Yes 2R S6 Yes
as a whole

16. Other Information

Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 7/10/2009
