



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: P-7031

Product Description: Calcium Hardness Titrant
(0.048M EDTA)

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	0.1	C 2 mg/m ³	C 2 mg/m ³
Yes	6381-92-6 EDTA disodium salt (dihydrate)	1.8 (CAS# used for TSCA is 139-33-3)	None Established	None Established
Yes	7791-18-6 Magnesium Chloride	<0.1	None Established	None Established
No	7732-18-5 Water	to 100%	None Established	None Established

3. Hazards Overview

Primary Route Of Entry:

May be harmful if swallowed.

HMIS Hazard

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

Health: 1 Flammability: 0 Reactivity: 0

Carcinogenicity: None:

Other Health Related Comments:

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4. First Aid Measures

Eye Contact: Flush with water for 15 minutes while occasionally lifting upper and lower eyelids. If irritation develops, contact

Skin Contact: Flush with water for 15 minutes while removing affected clothing. If irritation develops, contact physician. Wash clothing prior to reuse.

Ingestion: Drink several glasses of water. If irritation develops, contact physician.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respirations 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: N/A

Unusual Fire & Explosion Hazard: N/A

6. Accidental Release Measures

Clean spill up with inert material, place into a chemical waste container, and hold for proper disposal. Dispose according to federal, state, and local regulations. If permitted, place material in receptacle for disposal to landfill.

7. Handling & Storage

Store in cool, dry, storage area away from incompatible materials.

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8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Eye Protection Lab Coat

Work/Hygenic Practices:

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: None

pH: 4

Vapor Density: <1 (Air=1)

Vapor Pressure: <17 mm Hg @ 20° C

Boiling Point: ca. 100° C

Melting Point: not known

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: N/A

Incompatibility (Materials To Avoid): N/A

Hazardous Decomposition Products: N/A

11. Toxicological Information

Target Organs: N/A

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Dispose in accordance to federal, state, and local regulations.

14. Transportation Information

Not Regulated For Transport

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	1310-73-2 Sodium Hydroxide	Yes	Yes	Yes	No	Yes	Yes
Yes	139-33-3 EDTA disodium salt, anhydrous	Yes	Yes	Yes	No	Yes	Yes
Yes	7786-30-3 Magnesium Chloride, anhydrous	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
139-33-3 EDTA disodium salt, anhydrous	No	No	No	No	No	No	No
7786-30-3 Magnesium Chloride, anhydrous	No	No	No	No	No	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 Sodium Hydroxide	Yes	No	No	No	Yes	2R	S6	
139-33-3 EDTA disodium salt, anhydrous	Yes	No	No	No	No	None Allocated	None Allocated	
7786-30-3 Magnesium Chloride, anhydrous	Yes	No	No	No	No	None Allocated	None Allocated	
7732-18-5 Distilled Water	No	No	No	No	No	None Allocated	None Allocated	
product P-7031 as a whole	No	No	No	No	No	None Allocated	None Allocated	Yes

16. Other Information

Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 4/27/2009
