



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: 7042

Product Description: CH1 (Calcium Hardness)
(Formula revised 10/15/2007)

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

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	141-43-5 Monoethanolamine	<10	3 ppm	3 ppm
Yes	10043-35-3 Boric Acid	3	N/E	N/E
	7732-18-8 Water	75-80		

buffers and other ingredients are proprietary

None of the unlisted proprietary ingredients are toxic or highly hazardous.

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3. Hazards Overview

Primary Route Of Entry: Ingestion

May irritate eyes and skin. Harmful if swallowed.

HMIS Hazard

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

Health: 2 **Flammability:** 0 **Reactivity:** 1

Carcinogenicity: None:

Other Health Related Comments:

See Sect.11, Toxicity. Both monoethanolamine and boric acid investigated as a mutagens & reproductive effectors. Boric acid as a tumorigen, also. May impair fertility or cause fetal damage. Adult fatal dose reported at 5 - 30 grams.

4. First Aid Measures

Eye Contact: Flush with water for 15 minutes. Consult physician if irritation develops.

Skin Contact: Wash skin with soap and water.

Ingestion: If more than a few mL have been swallowed, induce vomiting immediately and call a doctor.

Inhalation: N/A

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

Wear eye protection and vinyl or rubber gloves. Small quantity: Mop up and flush to drain with water. Large quantity: Mop up, transfer to plastic container with cap or lid and hold for disposal as hazardous waste.

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7. Handling & Storage

Store tightly closed out of reach of children.

8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Eye Protection Gloves

Work/Hygenic Practices: Avoid contact with skin or eyes. Wash hands after handling.

9. Physical & Chemical Properties

Appearance: clear colorless liquid

Solubility In Water: soluble

Odor: slight

pH: 9.5

Vapor Density: >1 (Air=1)

Vapor Pressure: <15 mm Hg@ 20 deg C

Boiling Point: >100 deg C

Melting Point: estim. 1--9 deg C

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Temperature extremes

Incompatibility (Materials To Avoid): Strong alkali

Hazardous Decomposition Products: N/A

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11. Toxicological Information

Boric acid--oral rat LD50 2660 mg/kg. Oral woman LDLo: 200 mg/kg. Adult fatal dose reported as 5--30 grams. 30 mL of 7040 contains <1 gram of it. Monoethanolamine--Oral rat LD50: 1720 mg/kg.

Target Organs: Central Nervous System Kidney Liver

Pre-Existing Conditions Aggravated By Exposure: eye,skin problems;impaired kidney, liver

12. Ecological Information

Boric acid constituent, in high concentrations, may be toxic to aquatic life.

13. Disposal Considerations

Small amounts of 7040 (<100 mL) may be disposed to drain with running water if local regulations permit. Larger quantities of as hazardous waste. Follow Federal, State, & 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	141-43-5 2-Aminoethanol; Ethanolamine	Yes	Yes	Yes	No	Yes	Yes
Yes	10043-35-3 Boric Acid	Yes	Yes	Yes	No	Yes	Yes

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Federal, State, & International Regulations

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA 261.33	TSCA 8(D)
	RQ	TPQ	Listed	Chemical Category			
141-43-5 2-Aminoethanol; Ethanolamine	No	No	No	No	No	No	No
10043-35-3 Boric Acid	No	No	No	No	No	No	No

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--- SARA 311/312 ---**Hazard Categories****----- Australia -----****Hazchem
Code****Poison
Schedule****This MSDS Is
WHMIS Compliant****Ingredient****Acute****Chronic****Fire****Pressure****Reactivity**

141-43-5

Yes

No

Yes

No

No

2R

None Allocated

2-Aminoethanol; Ethanolamine

10043-35-3

Yes

Yes

No

No

No

None Allocated

S5

Boric Acid

**product 7042
as a whole**

Yes

Yes

No

No

No

None Allocated

None Allocated

Yes

16. Other Information

NFPA Ratings for 100% boric acid powder: Health: 1 Flammability: 0 Reactivity: 0

NFPA Ratings for 100% Monoethanolamine: Health: 3 Flammability: 2 Reactivity: 0

Prepared By:**Revised:** 10/15/2007
