



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: 4309

Product Description: Total Hardness Powder UDV
(Unit Dose Vial)

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

2. Composition/Information On Ingredients

| Hazard | CAS#/Name | % | PEL | TLV |
|--------|---|-------|------------------|------------------|
| Yes | 10043-35-3 Boric Acid | 20-30 | None Established | None Established |
| | BALANCE buffers, fillers, dyes, tableting aids and inert ingredients | 70-80 | | |

*Ingredients not listed by name are proprietary to LaMotte Co, registered under the state of New Jersey (U.S.A.) trade secret protection law, assigned the NJ Trade Secret Registry # 80100291-5080p and may be disclosed only in a medical emergency.

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion

May irritate eyes and skin. 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:

Boric acid investigated as a tumorigen, mutagen, reproductive effector.

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4. First Aid Measures

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

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

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

Inhalation: Remove to fresh air.

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

Sweep up using method to avoid raising dust, containerize, and hold for proper disposal. Dispose in accordance to federal, state, and local regulations.

7. Handling & Storage

Store tightly closed in cool, dry place away from heat, sunlight, and moisture.

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8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Eye Protection Gloves

Work/Hygenic Practices: Avoid contact with eyes & skin.

9. Physical & Chemical Properties

Appearance: Off white Powder

Solubility In Water: Soluble

Odor: None

pH: 8-9 (0.1g in 10ml water)

Vapor Density: N/A

Vapor Pressure: N/A

Boiling Point: N/A

Melting Point: Unknown

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Moisture

Incompatibility (Materials To Avoid): N/A

Hazardous Decomposition Products: N/A

11. Toxicological Information

Boric acid toxic internally (low): oral rat LD50:2660 mg/kg; oral woman LDLo: 200 mg/kg. With less than 10 mg of boric acid in each UDV vial, a person would have to ingest the contents of >100 vials for a harmful dose--Highly unlikely.

Target Organs: Skin

12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Dispose according to federal, state, and local regulations.

15. Regulatory Information

Chemical Inventory Status

| Hazard | Ingredient | USA TSCA | Europe EC | --- Canada --- | | Australia | Japan |
|--------|--------------------------|-------------|--------------|----------------|------|-----------|-------|
| | | | | DSL | NDSL | | |
| Yes | 10043-35-3 Boric Acid | Yes | Yes | Yes | No | Yes | Yes |

Federal, State, & International Regulations

| Ingredient | --- SARA 302 --- | | ----- SARA 313 ----- | | CERCLA | RCRA | TSCA |
|--------------------------|------------------|-----|----------------------|-------------------|--------|--------|------|
| | RQ | TPQ | Listed | Chemical Category | | 261.33 | 8(D) |
| 10043-35-3 Boric Acid | No | No | No | No | No | No | No |

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

| | | | | | | | | |
|--------------------------|-----|-----|----|----|----|----------------|----|--|
| 10043-35-3 Boric Acid | Yes | Yes | No | No | No | None Allocated | S5 | |
|--------------------------|-----|-----|----|----|----|----------------|----|--|

| | | | | | | | | |
|------------------------------------|-----|----|----|----|----|----------------|----------------|-----|
| product 4309 as a whole | Yes | No | No | No | No | None Allocated | None Allocated | Yes |
|------------------------------------|-----|----|----|----|----|----------------|----------------|-----|

16. Other Information

Note: All unlisted proprietary ingredients are on TSCA inventory (USA) and DSL (Canada).
Keep out of reach of children.

Prepared By: Regulatory Affairs Department**Revised:** 6/17/2009
