



# 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:** 4493

**Product Description:** Alkalinity Titration Reagent B

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

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7664-93-9 Sulfuric Acid	0.1	1 mg/cubic m	1 mg/cubic m
No	7732-18-5 Water	to 100%		

### 3. Hazards Overview

**Primary Route Of Entry:** Ingestion Skin

May be irritating to skin. 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 thoroughly with water for 15 minutes. Consult a physician if irritation develops.

**Skin Contact:** Flush with water. Remove affected clothing and wash skin with soap and water.

**Ingestion:** Rinse mouth, drink glass of water and consult physician if symptoms appear.

**Inhalation:** Remove to fresh air.

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#### **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

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#### **6. Accidental Release Measures**

Cover spill with sodium bicarbonate. Scoop up slurry and wash down drain with excess water.

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#### **7. Handling & Storage**

Store in cool, dry, storage area..

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

### **Protection When Handling**

Gloves Eye Protection Lab Coat

**Work/Hygenic Practices:** Avoid contact with eyes, skin and clothing.

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## **9. Physical & Chemical Properties**

**Appearance:** Clear Colorless Liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 2

**Vapor Density:** <1 (Air=1)

**Vapor Pressure:** <17 mm @ 20 deg C

**Boiling Point:** ca. 100 deg C

**Melting Point:** N/A

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** N/A

**Incompatibility (Materials To Avoid):** N/A

**Hazardous Decomposition Products:** SO<sub>x</sub>

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## **11. Toxicological Information**

Oral rat LD50: 2140 mg/kg for sulfuric acid concentrated. Product #4493 is non-toxic but may be irritating to skin or cause GI distress if swallowed because of its slight acidity (pH2).

**Target Organs:** Skin

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**12. Ecological Information**

Information Not Yet Available

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**13. Disposal Considerations**

Add slowly to a solution of sodium carbonate & calcium hydroxide. Pour this neutralized solution down drain with excess water. Dispose according to federal, state and local regulations.

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**14. Transportation Information**

Not Regulated For Transport

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**15. Regulatory Information**

**Chemical Inventory Status**

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	7664-93-9 Sulfuric Acid	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			
7664-93-9 Sulfuric Acid	1000	1000	Yes	No	1000	No	No
7732-18-5 Distilled Water	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**

7664-93-9  
Sulfuric Acid

Yes

Yes

No

No

Yes

2P

None Allocated

7732-18-5  
Distilled Water

No

No

No

No

No

None Allocated

None Allocated

**product 4493  
as a whole**

Yes

No

No

No

No

None Allocated

None Allocated

Yes

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**16. Other Information**

**Prepared By:** IP, Regulatory Affairs Department

**Revised:** 11/10/2005

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