



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/m ³ (TWA)	0.2 mg/m ³ (T) (TWA)
No	7732-18-5 Water	to 100%	None Established	None Established

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion

May irritate eyes and skin.

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:

See Section 11, Toxicity

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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.

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

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

7. Handling & Storage

Store in cool, dry, place.

8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Eye Protection Gloves Lab Coat

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

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 Hg @ 20 deg C

Boiling Point: ca. 100 deg C

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: N/A

Incompatibility (Materials To Avoid): N/A

Hazardous Decomposition Products: SOx

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

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.

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	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	Hazchem Code	Poison Schedule	This MSDS Is WHMIS Compliant
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	No	No	No	No	No	None Allocated	None Allocated	Yes

16. Other Information

Prepared By: Regulatory Affairs Department

Revised: 10/16/2008
