



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: 6111

Product Description: Sulfuric Acid, 0.1N

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	0.5	1 mg/cubic m	1 mg/cubic m
No	7732-18-5 Water	to 100%		

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: 1

Carcinogenicity: None:

Other Health Related Comments:

See Section 11, Toxicity

Product Code: 6111

Product Description: Sulfuric Acid, 0.1N

4. First Aid Measures

Eye Contact: Flush thoroughly with water for 15 minutes. Consult physician.

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

Ingestion: Rinse out mouth. Drink plenty of water. Consult physician.

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

7. Handling & Storage

Store tightly closed in cool, dry place away from incompatible materials. Keep out of reach of children.

8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Eye Protection Gloves Lab Coat

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

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: None

pH: 1.2

Vapor Density: <1 (Air=1)

Vapor Pressure: <17 mm Hg @ 20 deg C

Boiling Point: >100 deg C

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: N/A

Incompatibility (Materials To Avoid): Metals, strong bases

Hazardous Decomposition Products: SO_x

11. Toxicological Information

Oral rat LD50: 2140 mg/kg for sulfuric acid, concentrated. Product is acidic (pH 1.2) and will be irritating in contact with skin or eyes or to throat and esophagus if swallowed.

Target Organs: Skin

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

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

14. Transportation Information

Proper Shipping Name:

DOT: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
(SULFURIC ACID SOLUTION)

IATA: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
(SULPHURIC ACID SOLUTION)

Hazard Class/Div:

DOT: 8

IATA: 8

UN: 3264

Packing Group: III

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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Product Description: Sulfuric Acid, 0.1N

--- 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 6111
as a whole**

Yes

No

No

No

No

None Allocated

None Allocated

Yes

16. Other Information

Sections revised: 11

Prepared By: IP, Regulatory Affairs Department

Revised: 12/12/2008
