



# 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:** P-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/m <sup>3</sup> (TWA)	0.2 mg/m <sup>3</sup> (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. 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.

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#### **4. First Aid Measures**

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

**Skin Contact:** Flush skin with water while removing affected clothing. Wash skin with soap and water.

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

**Inhalation:** N/A

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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**

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

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

Store tightly closed in cool, dry place. Keep out of reach of children.

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## **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 after handling.

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

<b>Appearance:</b>	Clear Colorless Liquid	<b>Vapor Density:</b>	<1 (Air=1)
<b>Solubility In Water:</b>	Soluble	<b>Vapor Pressure:</b>	ca 17 mm Hg @ 20 deg C
<b>Odor:</b>	None	<b>Boiling Point:</b>	>100 deg C
<b>pH:</b>	1.2	<b>Melting Point:</b>	N/A

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## **10. Stability & Reactivity**

<b>Stable:</b>	Yes
<b>Conditions To Avoid:</b>	N/A
<b>Incompatibility (Materials To Avoid):</b>	Bases, metals
<b>Hazardous Decomposition Products:</b>	SOx

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## **11. Toxicological Information**

Oral rat LD50: 2140 mg/kg for sulfuric acid, concentrated. Product is acidic (pH <2) and will be irritating in contact with skin or eyes or to throat & 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 sodium carbonate. Pour 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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--- 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 P-6111  
as a whole**

Yes

No

No

No

No

None Allocated

None Allocated

Yes

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**16. Other Information**

Sections revised: 11, 14

**Prepared By:** Regulatory Affairs Department

**Revised:** 12/12/2008

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