



# 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:** 7748

**Product Description:** Sulfuric Acid, 0.12N

**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	0.6	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:** Eye Skin Ingestion

Warning! Corrosive. Can cause severe irritation or burns to all body tissue. Harmful if swallowed.

#### HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 2      Flammability: 0      Reactivity: 1

**Carcinogenicity:** Yes: IARC

#### **Other Health Related Comments:**

(IARC CATEGORY 1) IARC has classified "Strong inorganic mists containing sulfuric acid" as a known human carcinogen. Concentrated Sulfuric acid has been investigated as a tumorigen, mutagen, reproductive effector.

**4. First Aid Measures**

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

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

**Ingestion:** Do not induce vomiting, thought it may occur spontaneously. Drink large quantity of water/milk. Contact physician.

**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**

Neutralize spill (Sodium bicarb/ soda ash), scoop up slurry, and place into a chemical waste container. Dispose in accordance to federal, state, and local regulations. If permitted, rinse neutralized material to drain with excess water.

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**7. Handling & Storage**

Store in cool, dry, storage area away from incompatible materials. Keep out of reach of children.

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

### **Ventilation**

Normal

Use with adequate ventilation.

### **Protection When Handling**

Eye Protection Gloves Lab Coat

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

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

**Appearance:** Clear Colorless Liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 1

**Vapor Density:** unknown

**Vapor Pressure:** unknown

**Boiling Point:** unknown

**Melting Point:** unknown

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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> when heated to decomposition

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## **11. Toxicological Information**

oral rat LD50: 2140 mg/kg for concentrated sulfuric acid.

**Target Organs:** Eyes Skin

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## 12. Ecological Information

Environmental Toxicity: This product may be toxic to aquatic life. LC50 FLounder 100-330mg/L/48hr aerated water; LC50 Shrimp 80-90mg/L/48hr aerated water.

## 13. Disposal Considerations

Dispose in accordance 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 7748  
as a whole**

Yes

No

No

No

No

None Allocated

None Allocated

Yes

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**16. Other Information**

Keep out of reach of children.

**Prepared By:** Regulatory Affairs Department

**Revised:** 5/4/2009

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