



# 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:** 2789

**Product Description:** CAN Solution

**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	10	1 mg/cubic m	1 mg/cubic m
Yes	16774-21-3 Ceric Ammonium Nitrate	12	N/E	N/E
No	7732-18-5 Water	to 100%		

### 3. Hazards Overview

**Primary Route Of Entry:** Skin Ingestion

Poison! Danger! Corrosive. Liquid and mist cause severe burns to all body tissue. Inhalation may cause coughing, chest pains, damage to lungs. Ingestion may be fatal. Reacts with water, bases, and other materials.

#### HMIS Hazard

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

Health: 2      Flammability: 0      Reactivity: 2

**Carcinogenicity:** None:

**Other Health Related Comments:**

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

**Eye Contact:** Immediately flush with water for 15 minutes. Get prompt medical attention.

**Skin Contact:** Flush skin thoroughly with water for 15 minutes while removing affected clothing. Wash skin with soap and water. Consult a physician.

**Ingestion:** Do not induce vomiting. Rinse out mouth. Drink plenty of water. Get prompt medical attention.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen.

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#### **5. Fire Fighting Measures**

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Suitable for adjacent material

**Special Fire Fighting Procedures:** Wear goggles and self contained breathing apparatus.

**Unusual Fire & Explosion Hazard:** Contact with metal powders may liberate flammable, explosive hydrogen gas.

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

Wear gloves and eye protection. Cover spill with sodium bicarbonate to neutralize. Wash neutralized slurry down drain with excess water.

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

Store in cool, dry, location away from such incompatible materials as strong bases, metals, sulfides and cyanides.

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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 skin or clothing. Wash after handling.

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

**Appearance:** Amber 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:** Heat

**Incompatibility (Materials To Avoid):** Strong bases, metals, cyanides, and sulfides.

**Hazardous Decomposition Products:** SO<sub>x</sub>, NO<sub>x</sub>

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## **11. Toxicological Information**

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

**Target Organs:** Corrosive TO ALL body parts

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**12. Ecological Information**

Information Not Yet Available

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**13. Disposal Considerations**

Wear gloves and eye protection. Add slowly to a solution of soda ash & slaked lime (sodium carbonate & calcium hydroxide). Add neutralized solution to running water and wash down drain. Dispose according to federal, state and local regulations.

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**14. Transportation Information**

**Proper Shipping Name:**

**DOT:** SULFURIC ACID  
<51%

**IATA:** SULPHURIC ACID  
<51% ACID

**Hazard Class/Div:**

**DOT:** 8

**IATA:** 8

**UN:** 2796

**Packing Group:** II

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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
Yes	16774-21-3 Ceric Ammonium Nitrate	Yes	Yes	Yes	No	Yes	No
No	7732-18-5 Distilled Water	Yes	Yes	Yes	No	Yes	Yes

**Federal, State, & International Regulations**

<b>Ingredient</b>	<b>--- SARA 302 ---</b>		<b>----- SARA 313 -----</b>		<b>CERCLA</b>	<b>RCRA 261.33</b>	<b>TSCA 8(D)</b>
	<b>RQ</b>	<b>TPQ</b>	<b>Listed</b>	<b>Chemical Category</b>			
7664-93-9 Sulfuric Acid	1000	1000	Yes	No	1000	No	No
16774-21-3 Ceric Ammonium Nitrate	No	No	No	Nitrate comp	No	No	No
7732-18-5 Distilled Water	No	No	No	No	No	No	No

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--- SARA 311/312 ---

----- Australia -----

**Hazard Categories**

**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

16774-21-3  
Ceric Ammonium Nitrate

Yes

No

No

No

Yes

1[T]

None Allocated

7732-18-5  
Distilled Water

No

No

No

No

No

None Allocated

None Allocated

**product  
2789  
as a whole**

Yes

Yes

No

No

Yes

2P

None Allocated

Yes

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**16. Other Information**

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

**Revised:** 10/13/2006

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