



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: 6411

Product Description: Nitrite DRT Reagent

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	9 - 10	1 mg/m ³ (TWA)	0.2 mg/m ³ (T) (TWA)
Yes	16774-21-3 Ceric Ammonium Nitrate	8	N/E	N/E
No	7732-18-5 Water (to 100%)	80 - 82	None Established	None Established

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion Inhalation

Danger! Corrosive. Can cause severe irritation or burns to eyes, skin, and lungs. Harmful or fatal if swallowed.

HMIS Hazard

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

Health: 2 Flammability: 0 Reactivity: 1

Carcinogenicity: None:

Other Health Related Comments:

See Section 11, Toxicity

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4. First Aid Measures

Eye Contact: Immediately flush with water for at least 15 minutes. Consult physician.

Skin Contact: Immediately flush with water for at least 15 minutes while removing affected clothing. Wash skin with soap and water. Consult physician.

Ingestion: Do not induce vomiting. Rinse out mouth. Drink plenty of water. Call a doctor immediately.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Dry chemical, CO2 extinguisher or appropriate foam

Special Fire Fighting Procedures: Firefighters wear self-contained breathing apparatus

Unusual Fire & Explosion Hazard: Can react with metals to produce hydrogen gas which can form an explosive mixture with air.

6. Accidental Release Measures

Cover spill with sodium bicarbonate or soda ash/slaked lime mixture. Mix and carefully add water to form slurry. Scoop up and wash down drain with excess water.

7. Handling & Storage

Store in cool, dry, ventilated place away from incompatible materials (metals, strong bases, cyanides, and sulfides).

8. Exposure Controls/Personal Protection

Ventilation

Normal

Use with good ventilation.

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

Vapor Density: Unknown

Vapor Pressure: <17 mm Hg @ 20 deg C

Boiling Point: > 90 deg C

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: N/A

Incompatibility (Materials To Avoid): Metals, organic or combustible materials, strong bases

Hazardous Decomposition Products: SO_x, NO_x, hydrogen gas

11. Toxicological Information

Oral rat LD50: 2140 mg/kg for sulfuric acid, 95%. Ceric ammonium nitrate component is a also strong oxidizer and increases the contact hazard of the sulfuric acid solution (6411)

Target Organs: Corrosive to all body parts Eyes Skin

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

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

14. Transportation Information

Proper Shipping Name:

DOT: SULFURIC ACID
<51% ACID

IATA: SULPHURIC ACID
<51% ACID

Hazard Class/Div:

DOT: 8

IATA: 8

UN: 2796

Packing Group: II

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

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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
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	Hazchem Code	Poison Schedule	This MSDS Is WHMIS Compliant
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 6411 as a whole	Yes	Yes	No	No	Yes	2P	None Allocated	Yes

16. Other Information

Prepared By: Regulatory Affairs Department

Revised: 7/20/2007
