

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: 4793

Product Description: DEHA Reagent 3

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7697-37-2 Nitric Acid	2.8	5 mg/cubic m; 2 ppm	5 mg/cubic m; 2 ppm
Yes	7782-61-8 Ferric Nitrate 9-Hydrate	1	N/E	1 mg/cubic m, sol iron salt as Fe
No	7732-18-5 Water	to 100%	None Established	None Established

3. Hazards Overview

Primary Route Of Entry: Ingestion Skin

May cause eye and skin irritation and burns.

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:

Product Code: 4793

Product Description: DEHA Reagent 3

4. First Aid Measures

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

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

Ingestion: 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: Not a fire hazard

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazard: Contact with combustibles or powdered metals can cause fire.

6. Accidental Release Measures

Cover spill with sodium bicarbonate. Mop up and pour neutralized solution down drain with an excess of running water.

7. Handling & Storage

Store in cool, dry, storage area away from incompatible materials.

8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Gloves Eye Protection Lab Coat

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

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: None

pH: pH adjusted to 1

Vapor Density: Unknown

Vapor Pressure: Unknown

Boiling Point: >100 deg C

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Metals, strong reducing agents, combustible materials, strong alkalies

Hazardous Decomposition Products: NOx

11. Toxicological Information

oral rat LD50: 3250 mg/kg for Ferric Nitrate solid; Oral Human LDLo 430 mg/kg for nitric acid

Target Organs: Corrosive TO ALL body parts

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Neutralize with sodium bicarbonate. Pour neutralized solution down drain with an excess of running water. Dispose according to federal, state and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: NITRIC ACID

IATA: NITRIC ACID
<20%

Hazard Class/Div:

DOT: 8

IATA: 8

UN: 2031

Packing Group: II

15. Regulatory Information

Hazard	Ingredient	<u>Chemical Inventory Status</u>					
		USA TSCA	Europe EC	--- Canada --- DSL NDSL		Australia	Japan
Yes	7697-37-2 Nitric Acid	Yes	Yes	Yes	No	Yes	Yes
Yes	10421-48-4 Ferric Nitrate, anhydrous	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			
7697-37-2 Nitric Acid	1000	1000	Yes	No	1000	No	No
10421-48-4 Ferric Nitrate, anhydrous	No	No	No	Nitrate comp	1000	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**

7697-37-2
Nitric Acid

Yes Yes No No Yes

2PE S6

10421-48-4
Ferric Nitrate, anhydrous

Yes Yes Yes No Yes

1[T] None Allocated

7732-18-5
Distilled Water

No No No No No

None Allocated None Allocated

**product 4793
as a whole**

Yes No No No No

None Allocated None Allocated Yes

16. Other Information

Prepared By: Regulatory Affairs Department

Revised: 8/22/2005
