



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: 3013

Product Description: Thorium Nitrate, 0.0008M

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	13470-07-0 Thorium Nitrate 4-hydrate; TSCA# is for thorium nitrate anhydrous, HNO ₃ .1/4 Th; Sol'n is 0.038% as anhydrous.	0.038	N/A	N/A
No	7732-18-5 Water to 100%	to 100%		

3. Hazards Overview

Primary Route Of Entry: Ingestion

May be harmful if swallowed.

HMIS Hazard

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

Health: 0 Flammability: 0 Reactivity: 0

Carcinogenicity: None:

Other Health Related Comments:

Thorium nitrate investigated as a reproductive effector.

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4. First Aid Measures

Eye Contact: Flush thoroughly with water.

Skin Contact: Wash with soap and water.

Ingestion: Drink water. Consult physician if symptoms develop.

Inhalation: N/A

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

6. Accidental Release Measures

Mop up. Small quantities may be flushed to drain if local regulations permit.

7. Handling & Storage

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

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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. Wash after handling.

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: None

pH: 3

Vapor Density: <1 (Air=1)

Vapor Pressure: <17 mm Hg @ 20 deg C

Boiling Point: about 100 deg C

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: N/A

Incompatibility (Materials To Avoid): N/A

Hazardous Decomposition Products: N/A

11. Toxicological Information

Target Organs: N/A

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Solution is a very dilute solution of a radioactive oxidizing material. Spec. Act.=0.00002 microcuries/g solution. Dispose according to federal, state and local regulations.

14. Transportation Information

Not Regulated For Transport

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	13823-29-5 Thorium Nitrate, anhydrous. TSCA# 13823-29-5 is for thorium nitrate anhydrous HNO3.1/4Th	Yes	Yes	Yes	No	Yes	No
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			
13823-29-5 Thorium Nitrate, anhydrous. TSCA# 13823-29-5 is for thorium nitrate anhydrous HNO3.1/4Th	No	No	No	nitrate cmpnd.	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

None Allocated None Allocated

13823-29-5 Yes Yes No No No None Allocated None Allocated
Thorium Nitrate, anhydrous. TSCA# 13823-29-5 is for thorium nitrate anhydrous HNO₃.1/4Th

7732-18-5 No No No No No None Allocated None Allocated
Distilled Water

product 3013 No No No No No None Allocated None Allocated Yes
as a whole

16. Other Information

Keep container tightly closed.

Prepared By: IP, Regulatory Affairs Department

Revised: 3/1/2006
