



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: 3824

Product Description: Silver Nitrate 0.171N

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7761-88-8 Silver Nitrate	2.9	0.01 mg/m ³ (TWA) Silver metal dust/fume as Ag	0.01 mg/m ³ (TWA) soluble silver compounds as Ag
No	7732-18-5 Water	to 100%	None Established	None Established

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion

Vapors and liquid cause irritation to eyes, skin and respiratory system. Harmful if swallowed.

HMIS Hazard

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

Health: 2 Flammability: 1 Reactivity: 1

Carcinogenicity: None:

Other Health Related Comments:

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Product Description: Silver Nitrate 0.171N

4. First Aid Measures

Eye Contact: Immediately flush with water for 15 minutes while lifting upper and lower eyelids. Contact physician immediately.

Skin Contact: Immediately flush with water for 15 minutes while removing affected clothing. Contact physician. Wash clothing prior to reuse.

Ingestion: Induce vomiting immediately as directed by medical personnel. Contact physician immediately.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, administer artificial respiration.

5. Fire Fighting Measures

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Water spray

Special Fire Fighting Procedures: Wear self contained breathing apparatus and protective clothing to prevent inhalation and contact with eyes.

Unusual Fire & Explosion Hazard: Silver nitrate reactions may cause explosions

6. Accidental Release Measures

Wear PPE noted in section 8. Collect spill in appropriate container or absorb spill on inert material and containerize. Hold for disposal according to federal, state, and local regulations.

7. Handling & Storage

Store in cool, dry ventilated area away from light, heat, and incompatible materials.

8. Exposure Controls/Personal Protection

Ventilation

Normal

A system or local or general exhaust is recommended to keep employees exposure below the permissible exposure limits.

Protection When Handling

Eye Protection Gloves Lab Coat, apron

face shield

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

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: Odorless

pH: 5

Vapor Density: <1 (Air=1)

Vapor Pressure: <17 @20° C

Boiling Point: no information found

Melting Point: no information found

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat, Direct Sunlight, Incompatibles

Incompatibility (Materials To Avoid): Alkalies, reducing agents, metals

Hazardous Decomposition Products: NOx, toxic metal fumes may form when heated to decomposition

11. Toxicological Information

Oral Rat LD50: 1173mg/kg for Silver Nitrate, solid. Std Rabbit Draize: 1mg (SEVERE). Investigated as a tumorigen, mutagen, reproductive effector.

Target Organs: Skin

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

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	7761-88-8 Silver Nitrate	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			
7761-88-8 Silver Nitrate	No	No	No	Silver comp	1	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

7761-88-8
Silver Nitrate

Yes

Yes

No

No

Yes

2X

S6

7732-18-5
Distilled Water

No

No

No

No

No

None Allocated

None Allocated

**product 3824
as a whole**

Yes

Yes

No

No

No

2X

None Allocated

Yes

16. Other Information

Keep out of the reach of children.

Prepared By: Regulatory Affairs Department

Revised: 8/28/2009
