



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: 6405

Product Description: Reducing Reagent

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	56-81-5 Glycerol	>95	5 mg/cubic m (mist, resp.)	10 mg/cubic m (mist)
Yes	10025-69-1 Stannous Chloride Dihydrate	1.6	2 mg/cubic m as Sn	2 mg/cubic m as Sn
No	7732-18-5 Water	<4		

3. Hazards Overview

Primary Route Of Entry: Skin

May be irritating to eyes, skin and respiratory tract.

HMIS Hazard

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

Health: 2 Flammability: 1 Reactivity: 0

Carcinogenicity: None:

Other Health Related Comments:

See Section 11, Toxicity.

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4. First Aid Measures

Eye Contact: Flush with water for 15 minutes.

Skin Contact: Rinse skin thoroughly. Wash with soap and water.

Ingestion: Induce vomiting. Give plenty of water. Consult a physician.

Inhalation: Remove to fresh air. Consult a physician.

5. Fire Fighting Measures

Flash Point (Method Used): 190 deg C-closed cup **LEL:** N/A **UEL:** N/A

Extinguishing Media: Dry chemical, alcohol-resistant foam, CO2

Special Fire Fighting Procedures: Use water to keep fire-exposed containers cool.

Unusual Fire & Explosion Hazard: Contact with strong oxidizing agents (such as nitric acid) may cause fire or explosion.

6. Accidental Release Measures

Small spills: Absorb on paper towels or mop up and flush down drain with excess water. Large spills: Ventilate area of spill. Absorb on inert material (vermiculite or other sorbent) or spill pads, place into a clean, dry plastic pail with lid.

7. Handling & Storage

Store tightly closed in cool, dry place away from heat, strong oxidizers, alkalis, nitrates, or nitric acid.

8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Gloves Eye Protection Lab Coat

Work/Hygenic Practices: Avoid contact with skin.

9. Physical & Chemical Properties

Appearance: Clear Slightly colored Viscous liquid

Solubility In Water: Soluble

Odor: None

pH: N/A

Vapor Density: 3 (Air=1)

Vapor Pressure: 3mm Hg @ 20 deg C

Boiling Point: ca. 180 C

Melting Point: 20 deg C

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat, open flame, and hot surfaces

Incompatibility (Materials To Avoid): Contact with nitric acid or other strong oxidizers

Hazardous Decomposition Products: Toxic gases, fumes (acrolein, hydrochloric acid) may be released in a fire

11. Toxicological Information

Oral rat LD50: 700 mg/kg for stannous chloride, anhydrous. Both stannous chloride dihydrate and glycerol investigated as mutagens, reproductive effectors.

Target Organs: Skin

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12. Ecological Information

When released into soil or water glycerol is expected to readily biodegrade. When released into air it may be removed to a moderate extent by rain. It is not expected to significantly bioaccumulate. It is not expected to be toxic to aquatic life.

13. Disposal Considerations

Small quantities may be flushed to drain with water. Large quantities of collected waste should be sent to incinerator. 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	56-81-5 Glycerol	Yes	Yes	Yes	No	Yes	Yes
Yes	7772-99-8 Stannous Chloride 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			
56-81-5 Glycerol	No	No	No	No	No	No	No
7772-99-8 Stannous Chloride anhydrous	No	No	No	No	No	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			
56-81-5 Glycerol	Yes	Yes	No	No	No	None Allocated	None Allocated	
7772-99-8 Stannous Chloride anhydrous	Yes	Yes	No	No	No	None Allocated	None Allocated	
7732-18-5 Distilled Water	No	No	No	No	No	None Allocated	None Allocated	
product 6405 as a whole	Yes	Yes	No	No	No	None Allocated	None Allocated	Yes

16. Other Information

Prepared By: IP, Regulatory Affairs Department

Revised: 5/28/2008
