



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: 7692

Product Description: Sulfur Dioxide Absorbing
Solution

Manufactured By: LaMotte Company
802 Washington Avenue
Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7487-94-7 Mercuric Chloride	1.1	C 0.1 mg/cubic m (skin)	0.1 mg/cubic m (as Hg)
Yes	7447-40-7 Potassium Chloride	0.6	15 mg/cubic m (dust)	10 mg/cubic m
Yes	6381-92-6 Ethylene diamine tetra acetic acid, disodium salt	<0.1	N/E	N/E
No	7732-18-5 Water	to 100%		

3. Hazards Overview

Primary Route Of Entry: Ingestion Skin

May be fatal if swallowed. Poisoning may also occur by absorption.

HMIS Hazard

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

Health: 2 Flammability: 0 Reactivity: 0

Carcinogenicity: None

Other Health Related Comments:

Mercury chloride is a mutagen and teratogen (fetal effects). May cause heritable genetic damage.

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4. First Aid Measures

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

Skin Contact: Immediately flush with water for 15 minutes. Remove affected clothing and wash skin with soap and water.

Ingestion: Induce vomiting immediately. Call physician 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: May emit toxic fumes of mercury when heated in fire.

6. Accidental Release Measures

Collect spilled material on absorbent spill pads; containerize and hold for disposal as hazardous waste. Or collect liquid and treat as follows..(see below)

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

Gloves Eye Protection Lab Coat

Work/Hygenic Practices: No eating or smoking while handling. Wash hands after handling.

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: None

pH: 6

Vapor Density: Unknown

Vapor Pressure: Unknown

Boiling Point: >100 deg C

Melting Point: Unknown

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): N/A

Hazardous Decomposition Products: Mercury (fume)

11. Toxicological Information

oral hmn LDLo: 29 mg/kg for mercuric chloride solid

Target Organs: Kidneys Central Nervous System GI System Brain

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

In fume hood, precipitate the mercury with ammonium hydroxide. Filter. Send solids to hazardous waste disposal, liquid (mercury-free) flushed to drain with excess water. Do NOT flush solutions containing mercury to drains. Dispose

according to Federal, State and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: MERCURY COMPOUNDS, LIQUID, N.O.S.
(MERCURIC CHLORIDE SOLUTION)

IATA: MERCURY COMPOUND, LIQUID, N.O.S.
(MERCURIC CHLORIDE SOLUTION)

Hazard Class/Div:

DOT: 6.1

IATA: 6.1

UN: 2024

Packing Group: III

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	7487-94-7 Mercuric Chloride	Yes	Yes	Yes	No	Yes	Yes
Yes	7447-40-7 Potassium Chloride	Yes	Yes	Yes	No	Yes	Yes
Yes	139-33-3 EDTA disodium salt, anhydrous	Yes	Yes	Yes	No	Yes	Yes
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			
7487-94-7 Mercuric Chloride	500	500*	Yes	Mercury comp.	1	No	No
7447-40-7 Potassium Chloride	No	No	No	No	No	No	No
139-33-3 EDTA disodium salt, 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 ---

----- Australia -----

Hazard Categories

**Hazchem
Code**

**Poison
Schedule**

**This MSDS Is
WHMIS Compliant**

Ingredient **Acute** **Chronic** **Fire** **Pressure** **Reactivity**

7487-94-7 Mercuric Chloride	Yes	Yes	No	No	No	2X	S7	
7447-40-7 Potassium Chloride	Yes	No	No	No	No	None Allocated	None Allocated	
139-33-3 EDTA disodium salt, anhydrous	Yes	No	No	No	No	None Allocated	None Allocated	
7732-18-5 Distilled Water	No	No	No	No	No	None Allocated	None Allocated	

product 7692 Yes Yes No Yes No **as a whole** **Yes**

16. Other Information

Store poison in safe place.

Prepared By: IP, Regulatory Affairs Department

Revised: 2005-09-06
