



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: 4468

Product Description: Silica Reagent #3

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	6153-56-6 Oxalic Acid, dihydrate	10	1 mg/cubic m	1 mg/cubic m
No	7732-18-5 Water	to 100%		

(Solution is 7% as oxalic acid)

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion

Poison! Danger! Can cause severe irritation to eyes, skin, lungs. Harmful or fatal if swallowed. Poisoning can also occur by absorption through the skin.

HMIS Hazard

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

Health: 3 Flammability: 0 Reactivity: 1

Carcinogenicity: None:

Other Health Related Comments:

Oxalic acid is very toxic and corrosive, a primary skin irritant. It has been investigated as a reproductive effector. (See Toxicology, Section 11.)

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4. First Aid Measures

Eye Contact: Flush thoroughly with water for 15 minutes. Get prompt medical advice.

Skin Contact: Immediately flush skin with copious amounts of water, for at least 15 minutes, while removing contaminated clothing & shoes - Contact physician.

Ingestion: DO NOT INDUCE VOMITING! Give large quantities of limewater or milk to drink. Contact physician immediately!

Inhalation: Remove to fresh air. If breathing is difficult give oxygen. Contact physician immediately.

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

Ventilate area. Wear PPE specified in section 8. Neutralize with soda ash or sodium bicarbonate, then absorb with inert material (vermiculite, dry sand, earth) and place into a chemical waste container. See Section 13 for Disposal.

7. Handling & Storage

Store tightly closed in cool, ventilated area away from sources of heat and incompatible materials (alkalis, chlorites, hypochlorites, oxidizing agents, furfuryl alcohol, or silver compounds). Keep out of reach of children.

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: 1

Vapor Density: Unknown

Vapor Pressure: <17 mm Hg @ 20° C

Boiling Point: 101°C

Melting Point: -3°C

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: N/A

Incompatibility (Materials To Avoid): Bases, metals

Hazardous Decomposition Products: COx; may also form formic acid.

11. Toxicological Information

Oral rat LD50: 375 mg/kg for oxalic acid. When ingested, oxalic acid removes calcium from the blood. May cause kidney damage as calcium is removed from the blood in the form of calcium oxalate. The calcium oxalate then obstructs the kidney tubules.

Target Organs: Blood Corrosive to all body parts Kidney Skin

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12. Ecological Information

Information Not Yet Available.

13. Disposal Considerations

Neutralize with sodium bicarbonate or soda ash. Dispose according to federal, state and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(10% OXALIC ACID DIHYDRATE)

IATA: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(10% OXALIC ACID DIHYDRATE)

Hazard Class/Div:

DOT: 8

IATA: 8

UN: 3265

Packing Group: II

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	144-62-7 Oxalic Acid, 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			
144-62-7 Oxalic Acid, 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**

144-62-7 Yes Yes No No No
Oxalic Acid, anhydrous

2X S6

None Allocated None Allocated

7732-18-5 No No No No No
Distilled Water

product 4468 Yes Yes No No No 2X S6 Yes
as a whole

16. Other Information

Prepared By: DMH, Regulatory Affairs Department

Revised: 2/13/2009
