MSDS

Material Safety Data Sheet

PO Box 329 • 802 Washington Avenue • Chestertown, MD 21620 • USA
Telephone Number 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: **V-4468**
Product Description: Silica Reagent #3

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

2. Composition/Information on Ingredients

Hazardous	Name	CAS #	%	OSHA PEL	ACGIH TLV
Yes	Oxalic Acid, dihydrate	6153-56-6	10	1 mg/cubic m	1 mg/cubic m
No	Water to 100%	7732-18-5	90		

3. Hazards Overview

Primary Route of Entry: **Ingestion Skin**

Poison! Danger! May be fatal if swallowed. Corrosive. Causes severe irritation and burns to skin, eyes, and respiratory tract. Very toxic, primary skin irritant. Harmful if inhaled or absorbed through skin.

HMIS Hazard: (Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least)
Health: 2 Flammability: 0 Reactivity: 1

Carcinogenicity: None
Other Health Related Comments: (See Section 11.)

4. First Aid Measures

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

Skin Contact: In case of contact, wipe off excess from skin then immediately flush skin thoroughly with water for at least 15 minutes while removing contaminated clothing and shoes. Wash with soap and water. Consult physician.

Ingestion: Rinse out mouth. Do not induce vomiting. Drink several glasses of milk or water. Call a doctor immediately!

Inhalation: Remove to fresh air. If symptoms of respiratory irritation appear, call a doctor.

5. Fire Fighting Measures

Oxalic Acid is a combustible solid below 101C (215F)
Flash Point: N/A LEL: N/A UEL: N/A

Fire Rating

Extinguishing Media: Not a fire hazard
Special Fire Fighting Procedures: N/A
Hazardous Combustion and/or Decomposition Products: May form CO, CO2, when heated to decomposition. May also form formic acid.
Unusual Fire & Explosion Hazard: N/A

6. Accidental Release Measures

Wear appropriate personal protective equipment: gloves, safety glasses, body-covering clothing. Cover contaminated surfaces with soda ash or sodium bicarbonate to neutralize the acid. Scoop up neutralized slurry and wash down drain with excess water.

7. Handling & Storage

Store in a cool, ventilated area away from sources of heat and incompatibles. Keep out of reach of children.

8. Exposure Controls/Personal Protection

Ventilation

Use with adequate ventilation.

Protection When Handling

Gloves Eye Protection Lab Coat

Work/Hygienic Practices: Avoid contact with skin. Wash after handling.

9. Physical & Chemical Properties

Appearance:	Colorless Clear Liquid	**Boiling Point:**	Unknown
		Melting Point:	N/A
		pH:	1
Odor:	None	**Vapor Density:**	Unknown
Solubility in Water:	Soluble	**Vapor Pressure:**	<17 mm Hg @ 20 deg C

10. Stability & Reactivity

Stable: Yes
Conditions to Avoid: N/A
Materials to Avoid: Finely powdered metals and silver compounds, strong reducers and bases, oxidizing agents and hypochlorites (bleaches).
Hazardous Decomposition Products: COx, formic acid

11. Toxicological Information

Oral rat LD50: 375 mg/kg for oxalic acid. Very toxic. Oxalic acid is corrosive to tissue. 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. Investigated as a reproductive effector.

Target Organs: Corrosive to all body parts

12. Ecological Information

Information not Available

13. Disposal Considerations

Neutralize with sodium bicarbonate or soda ash. Scoop up slurry and wash down drain with excess water. Dispose according to federal, state and local regulations.

14. Transport Information

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC N.O.S. (10% OXALIC ACID DIHYDRATE)
Hazard Class/Div: 8
UN3265
Packing Group: II

15. Regulatory Information

Chemical Inventory Status

Ingredient	USA TSCA	Europe EC	---Canada--- DSL	NDSL	Australia	Japan
Oxalic Acid, anhydrous (144-62-7)	Yes	Yes	Yes	No	Yes	Yes

Water to 100%

Federal, State, & International Regulations

Ingredient	---SARA 302---- RQ	TPQ	-------- SARA 313 --------- Listed	Chemical Category	CERCLA	RCRA 261.33	TSCA 8(D)
Oxalic Acid, anhydrous (144-62-7)	No	No	No	No	No	No	No

Water to 100%

Ingredient	------ SARA 311/312 ------ Hazard Categories	---------- Australia ---------- Hazchem Code	Poison Schedule	This MSDS is WHMIS Compliant
Oxalic Acid, anhydrous (144-62-7)	Acute: Yes Chronic: Yes Fire: No Pressure: No Reactivity: No (Pure/solid)	2X	S6	
Water to 100%				
For #V-4468 liquid mixture, taken as a whole	Acute: Yes Chronic: Yes Fire: No Pressure: No Reactivity: No (Liquid/mixture)	2X	S6	YES

16. Other Information

Prepared By: IP

Revised: 6/23/2008