



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: V-4466

Product Description: Silica Reagent 1

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

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7647-01-0 Hydrochloric Acid	20	Ceiling 5 ppm (7mg/m ³)	Ceiling 2 ppm
No	7732-18-5 Water	to 100%	None Established	None Established

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion Inhalation

Poison! Danger! Corrosive. Liquid and mist cause severe burns to all body tissue. Inhalation may cause coughing, chest pains, damage to lungs. Harmful or fatal if swallowed.

HMIS Hazard

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

Health: 3 Flammability: 0 Reactivity: 2

Carcinogenicity: None:

Other Health Related Comments:

4. First Aid Measures

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

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

Ingestion: DO NOT induce vomiting. Drink large quantity of water or milk. Contact physician immediately.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and seek immediate medical attention.

5. Fire Fighting Measures

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Appropriate to surrounding fire

Special Fire Fighting Procedures: Firefighters wear self-contained breathing apparatus

Unusual Fire & Explosion Hazard: May emit flammable hydrogen gas upon contact with metal.

6. Accidental Release Measures

Wear PPE in section 8. Neutralize spill with alkaline material, absorb on inert material, containerize, and hold for waste disposal. Dispose according to federal, state, and local regulations. If permitted, rinse slurry to drain w/ excess water.

7. Handling & Storage

Store in cool, dry, storage area away from incompatible materials, such as strong bases, ammonia solutions, metals or cyanides.

8. Exposure Controls/Personal Protection

Ventilation

Mechanical Respiratory
Use with adequate ventilation.

Protection When Handling

Eye Protection Gloves Lab Coat

Work/Hygenic Practices: Avoid contact with skin, eyes, clothing; avoid inhalation of vapor. Wash after handling.

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: Slight chlorine

pH: <1

Vapor Density: >1 (Air=1)

Vapor Pressure: >1 atm @20° C

Boiling Point: Unknown

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Metals, strong caustics, sulfides and sulfites. Contact with metals causes formation of flammable and explosive hydrogen gas.

Hazardous Decomposition Products: Hydrogen chloride gas, hydrogen, chlorine

11. Toxicological Information

Oral rabbit LD50: 900 mg/kg for hydrochloric acid; Investigated as a tumorigen, mutagen, reproductive effector.

Target Organs: Corrosive to all body parts Eyes Respiratory System Skin

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12. Ecological Information

Environmental Fate: When released into the soil, this material is not expected to biodegrade. It may leach into groundwater.

Environmental Toxicity: This material is expected to be toxic to aquatic life.

13. Disposal Considerations

Dispose according to federal, state, and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: HYDROCHLORIC ACID

IATA: HYDROCHLORIC ACID

Hazard Class/Div:

DOT: 8

IATA: 8

UN: 1789

Packing Group: II

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA TSCA	Europe EC	--- Canada ---		Australia	Japan
				DSL	NDSL		
Yes	7647-01-0 Hydrochloric Acid	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			
7647-01-0 Hydrochloric Acid	5000	500	Yes	No	5000	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

7647-01-0

Yes

Yes

No

No

No

2R

None Allocated

Hydrochloric Acid

7732-18-5

No

No

No

No

No

None Allocated

None Allocated

Distilled Water

**product V-4466
as a whole**

Yes

Yes

No

No

No

2R

None Allocated

Yes

16. Other Information

Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 7/13/2009
