



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: 5156

Product Description: Phosphorus Reagent 2

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	64-19-7 Acetic Acid	10	10 ppm (TWA)	10 ppm (TWA)
Yes	10102-40-6 Sodium Molybdate, dihydrate	2.5	5 mg/m ³ (Mo) soluble compounds	0.5 mg/m ³ (Mo) soluble, respirable fraction
No	7732-18-5 Water	to 100%	None Established	None Established

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion Inhalation

Vapors and liquid cause irritation to eyes, skin and respiratory system. Harmful if swallowed.

HMIS Hazard

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

Health: 1 Flammability: 0 Reactivity: 1

Carcinogenicity: None:

Other Health Related Comments:

4. First Aid Measures

Eye Contact: Immediately flush with water for 15 minutes while lifting upper and lower eyelids. Consult a physician.

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

Ingestion: Do not induce vomiting. Drink large quantity of water or milk. Rinse out mouth. Consult a physician.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Dry chemical, CO₂, water spray, or alcohol-resistant foam

Special Fire Fighting Procedures: Wear protective equipment and self-contained breathing apparatus.

Unusual Fire & Explosion Hazard: N/A

6. Accidental Release Measures

Wear PPE notes in section 8. Ventilate area. Avoid breathing vapor. Neutralize spill with alkaline material (bicarb/lime). Scoop up neutralized slurry and containerize. Hold for disposal according to federal, state, and local regulations.

7. Handling & Storage

Keep in a tightly closed container. Store in a cool, dry, ventilated area away from any area where the fire hazard may be acute. Separate from incompatible materials.

8. Exposure Controls/Personal Protection

Ventilation

Normal

Use with adequate ventilation.

Protection When Handling

Eye Protection Gloves Lab Coat

Work/Hygenic Practices: Avoid contact with skin, eyes, and clothing. Wash after handling.

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: Vinegar

pH: 3

Vapor Density: Unknown

Vapor Pressure: Unknown

Boiling Point: Unknown

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Strong alkali, sulfuric acid, metals

Hazardous Decomposition Products: CO_x

11. Toxicological Information

Oral Rat LD50: 3310mg/kg Acetic acid, conc. 4g/kg sodium molybdate, dihydrate. Sodium molybdate, dihydrate investigated as a reproductive effector.

Target Organs: Eyes Skin

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Dispose according to federal, state, and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: ACETIC ACID SOLUTION
>10, <50% ACID

IATA: ACETIC ACID SOLUTION
>10, <50% ACID

Hazard Class/Div:

DOT: 8

IATA: 8

UN: 2790

Packing Group: III

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	64-19-7 Acetic Acid	Yes	Yes	Yes	No	Yes	Yes
Yes	7631-95-0 Sodium Molybdate, 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			
64-19-7 Acetic Acid	No	No	No	No	5000	No	No
7631-95-0 Sodium Molybdate, 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

64-19-7
Acetic Acid

Yes

Yes

Yes No

Yes

2P

S6

7631-95-0
Sodium Molybdate, 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 5156
as a whole**

Yes

Yes

No No

No

2P

S5

Yes

16. Other Information

Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 9/4/2009
