



MSDS

MATERIAL SAFETY DATA SHEET

P.O. Box 329 - 802 Washington Avenue Chestertown, MD 21620 - USA

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: 5705

Product Description: Phosphorus Indicator Solution

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	12	10 ppm	25 mg/cubic m
Yes	10102-40-6 Sodium Molybdate dihydrate	2.5	5 mg/cubic m (Mo)	10 mg/cubic m (Mo)
No	7732-18-5 Water	to 100%		

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:

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Product Description: Phosphorus Indicator Solution

1. First Aid Measures

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

Skin Contact: Immediately flush with water while removing affected clothing. Wash skin with soap and water.

Ingestion: Do not induce vomiting. Rinse out mouth. Drink plenty of water. 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: Not a fire hazard

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazard: N/A

6. Accidental Release Measures

Wear gloves and eye protection. Ventilate area. Avoid breathing vapor. Neutralize with sodium bicarbonate. Mop up carefully and pour down drain with excess water.

7. Handling & Storage

Store tightly closed in cool, dry location away from incompatible materials. Use with adequate ventilation.

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8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Gloves Eye Protection Lab Coat

Work/Hygenic Practices: Avoid contact with skin. Use with adequate ventilation.

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: COx

11. Toxicological Information

Oral rat LD50: acetic acid, conc. 3310 mg/kg. Oral rat LD50: 4g/kg for sodium molybdate dihydrate. Sodium molybdate dihydrate investigated as a reproductive effector. Anhydrous investigated as both reproductive effector & mutagen.

Target Organs: Skin

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2. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Wear gloves and eye protection. Neutralize with dilute sodium hydroxide or sodium bicarbonate. Flush down drain with excess water. 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

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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			
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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Product Description: Phosphorus Indicator Solution

Ingredient	--- SARA 311/312 --- Hazard Categories					----- Australia -----		This MSDS Is WHMIS Compliant
	Acute	Chronic	Fire	Pressure	Reactivity	Hazchem Code	Poison Schedule	
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 5705 as a whole	Yes	Yes	No	No	No	2P	S5	Yes

16. Other Information

Prepared By: IP, Regulatory Affairs Department

Revised: 8/1/2006
