



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: 8423

Product Description: Phenolphthalein Indicator

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	64-17-5 Ethyl Alcohol	57	1900 mg/cubic m	1000 ppm
Yes	67-56-1 Methyl Alcohol	3	260 mg/cubic m	200 ppm
Yes	77-09-8 Phenolphthalein	1	N/E	N/E
No	7732-18-5 Water	to 100%		

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion Inhalation

Poison! Danger! Flammable liquid & vapor! Harmful if swallowed, inhaled, or absorbed through skin. Ingestion may be fatal or cause blindness. Inhalation can cause headache, nausea. Affects central nervous system. May cause irritation to eyes and skin.

HMIS Hazard

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

Health: 2 Flammability: 3 Reactivity: 2

Carcinogenicity: Yes: IARC NTP

Other Health Related Comments:

Warning! This product contains phenolphthalein, a chemical known to the state of California to cause cancer.

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4. First Aid Measures

Eye Contact: Flush thoroughly with water. Consult physician.

Skin Contact: Flush skin thoroughly. Wash with soap and water.

Ingestion: Give plenty of water. Call a physician immediately.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point (Method Used): 22 deg C-closed cup **LEL:** 3.3% **UEL:** 19%

Extinguishing Media: Dry chemical, CO2, or water spray

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazard: Vapors may travel distance to ignition source and flash back.

6. Accidental Release Measures

Eliminate all sources of ignition. Ventilate area. Absorb on paper or spill pads. Allow alcohol to evaporate on iron pan (or other non-combustible container) in fume hood.

7. Handling & Storage

Store in cool, dry, storage area away from incompatible materials. Do not use near heat or flame.

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8. Exposure Controls/Personal Protection

Ventilation

Mechanical

Protection When Handling

Gloves Eye Protection Lab Coat

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

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: Alcohol

pH: N/A

Vapor Density: 1.6 (Air=1)

Vapor Pressure: ca. 30 mm Hg @ 20 deg C

Boiling Point: ca. 78 deg C

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat, sources of ignition

Incompatibility (Materials To Avoid): Contact with nitric acid or other strong oxidizers

Hazardous Decomposition Products: COx

11. Toxicological Information

Oral human LDLo: 143mg/kg, methyl alcohol; 1400 mg/kg, ethyl alcohol. Phenolphthalein listed in NTP 9th Report on Carcinogens (2000) as "reasonably anticipated to be a human carcinogen". Investigated as a tumorigen and mutagen.

Target Organs: Central Nervous System Respiratory System Skin

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Small quantity: Flush down drain with excess water. Large quantity: Atomize into an incinerator. Dispose according to federal, state and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: ETHANOL

IATA: ETHANOL

Hazard Class/Div:

DOT: 3

IATA: 3

UN: 1170

Packing Group: II

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA TSCA	Europe EC	--- Canada ---		Australia	Japan
				DSL	NDSL		
Yes	64-17-5 Ethanol	Yes	Yes	Yes	No	Yes	Yes
Yes	67-56-1 Methyl Alcohol	Yes	Yes	Yes	No	Yes	Yes
Yes	77-09-8 Phenolphthalein	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			
64-17-5 Ethanol	No	No	No	No	No	No	No
67-56-1 Methyl Alcohol	No	No	Yes	No	5000	U154	No
77-09-8 Phenolphthalein	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****Poison****This MSDS Is****Ingredient Acute Chronic Fire Pressure Reactivity Code Schedule WHMIS Compliant**

64-17-5 Ethanol	Yes	Yes	Yes	No	No	None Allocated	None Allocated	
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67-56-1 Methyl Alcohol	Yes	Yes	Yes	No	No	2PE	S6	
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77-09-8 Phenolphthalein	Yes	Yes	No	No	No	None Allocated	None Allocated	
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7732-18-5 Distilled Water	No	No	No	No	No	None Allocated	None Allocated	
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product 8423 as a whole	Yes	Yes	Yes	No	No	2[S]E	S5	Yes
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16. Other Information**Prepared By:** IP, Regulatory Affairs Department**Revised:** 2005-12-09
