



# 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:** 2246

**Product Description:** Phenolphthalein Indicator 1%,  
Chloride C, or Alkalinity Rgt.

**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	1000ppm TWA (1900 mg/m <sup>3</sup> )	1000 ppm TWA
Yes	67-56-1 Methyl Alcohol	3	200ppm TWA (260 mg/m <sup>3</sup> )	200 ppm TWA
Yes	77-09-8 Phenolphthalein	1	None Established	None Established
No	7732-18-5 Water	to 100%	None Established	None Established

### 3. Hazards Overview

**Primary Route Of Entry:** Eye 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: 1

**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 with water. Wash with soap and water.

**Ingestion:** Give plenty of water. Do not induce vomiting (aspiration hazard). Get medical attention immediately.

**Inhalation:** Remove to fresh air.

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#### **5. Fire Fighting Measures**

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

**Extinguishing Media:** Dry chemical, CO<sub>2</sub>, or water spray

**Special Fire Fighting Procedures:** N/A

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

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#### **6. Accidental Release Measures**

Eliminate all sources of ignition. Ventilate area. Absorb spill with inert material, containerize, and hold for disposal.  
Dispose according to federal, state, and local regulations.

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#### **7. Handling & Storage**

Store in cool, dry place away from strong acids and oxidizers. Do not use near heat or flame. Keep out of reach of children.

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Mechanical

A system of local and/or general exhaust is recommended.

### **Protection When Handling**

Eye Protection Gloves Lab Coat

**Work/Hygenic Practices:** Use with adequate ventilation and avoid contact with skin. Wash after handling.

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## **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:** >25 mm Hg @ 20 deg C

**Boiling Point:** ca. 78 deg C

**Melting Point:** N/A

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## **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:** CO<sub>x</sub>

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## **11. Toxicological Information**

Oral human LDLo: 1400 mg/kg for ethanol, 143 mg/kg for methanol. 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 Eyes Skin

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**12. Ecological Information**

Information Not Yet Available

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**13. Disposal Considerations**

Dispose according to federal, state and local regulations.

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**14. Transportation Information**

**Proper Shipping Name:**

**DOT:** ETHANOL

**IATA:** ETHANOL

**Hazard Class/Div:**

**DOT:** 3

**IATA:** 3

**UN:** 1170

**Packing Group:** II

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**15. Regulatory Information**

**Chemical Inventory Status**

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	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**

<b>Ingredient</b>	<b>--- SARA 302 ---</b>		<b>----- SARA 313 -----</b>		<b>CERCLA</b>	<b>RCRA 261.33</b>	<b>TSCA 8(D)</b>
	<b>RQ</b>	<b>TPQ</b>	<b>Listed</b>	<b>Chemical Category</b>			
64-17-5 Ethanol	No	No	No	No	No	No	No
67-56-1 Methyl Alcohol	No	No	Yes	Toxic Pollutant	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

<b>Ingredient</b>	<b>Acute</b>	<b>--- SARA 311/312 --- Hazard Categories</b>				<b>Reactivity</b>	<b>----- Australia -----</b>		<b>This MSDS Is WHMIS Compliant</b>
		<b>Chronic</b>	<b>Fire</b>	<b>Pressure</b>	<b>Hazchem Code</b>		<b>Poison Schedule</b>		
64-17-5 Ethanol	Yes	Yes	Yes	No	No	None Allocated	None Allocated		
67-56-1 Methyl Alcohol	Yes	Yes	Yes	No	No	2PE	S6		
77-09-8 Phenolphthalein	Yes	Yes	No	No	No	None Allocated	None Allocated		
7732-18-5 Distilled Water	No	No	No	No	No	None Allocated	None Allocated		
<b>product 2246 as a whole</b>	Yes	Yes	Yes	No	No	2[S]E	S5	Yes	

**16. Other Information**

NFPA rating for Ethyl Alcohol SDA 3A 200 proof: 1-3-0

**Prepared By:** Regulatory Affairs Department

**Revised:** 10/7/2008