



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: 2238

Product Description: Methyl Red, 1%

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	92	1900 mg/cubic m	1000 ppm
Yes	67-56-1 Methyl Alcohol	4	260 mg/cubic m	200 ppm
Yes	1310-73-2 Sodium Hydroxide	<0.1	C 2 mg/cubic m	C 2 mg/cubic m
Yes	493-52-7 Methyl Red	1	N/E	N/E
No	7732-18-5 Water	to 100%		

Product Code: 2238

Product Description: Methyl Red, 1%

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: 0

Carcinogenicity: None:

Other Health Related Comments:

4. First Aid Measures

Eye Contact: Flush thoroughly with water. Contact a physician.

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

Ingestion: Call a physician immediately.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point (Method Used): 23 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

Ventilate area. Eliminate all sources of ignition. Absorb on paper. Evaporate on iron pan in hood.

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7. Handling & Storage

Store in cool, dry, ventilated area away from such incompatible materials as strong acids and oxidizers. Do not use near heat or flame.

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 Red Liquid

Solubility In Water: Soluble

Odor: alcohol

pH: N/A

Vapor Density: 1.6 (Air=1)

Vapor Pressure: ca. 40 mm Hg@ 20 deg C

Boiling Point: Unknown

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

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11. Toxicological Information

oral human LDLo: 1400 mg/kg for ethanol, 143 mg/kg for methanol

Target Organs: Central Nervous System

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: ALCOHOLS, N.O.S.
(ETHANOL DENATURED WITH 5% METHANOL)

IATA: ALCOHOLS, N.O.S.
(ETHANOL DENATURED WITH 5% METHANOL)

Hazard Class/Div:

DOT: 3
IATA: 3

UN: 1987

Packing Group: II

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	1310-73-2 Sodium Hydroxide	Yes	Yes	Yes	No	Yes	Yes
Yes	493-52-7 Methyl Red	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			
64-17-5 Ethanol	No	No	No	No	No	No	No
67-56-1 Methyl Alcohol	No	No	Yes	No	5000	U154	No
1310-73-2 Sodium Hydroxide	No	No	No	No	1000	No	No
493-52-7 Methyl Red	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 ---

----- Australia -----

Hazard Categories

Ingredient	Acute	Chronic	Fire	Pressure	Reactivity	Hazchem Code	Poison Schedule	This MSDS Is WHMIS Compliant
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	
1310-73-2 Sodium Hydroxide	Yes	No	No	No	Yes	2R	S6	
493-52-7 Methyl Red	No	No	No	No	No	None Allocated	None Allocated	
7732-18-5 Distilled Water	No	No	No	No	No	None Allocated	None Allocated	
product 2238 as a whole	Yes	Yes	Yes	No	No	2[S]E	S5	Yes

16. Other Information

Prepared By: IP, Regulatory Affairs Department

Revised: 9/7/2006
