



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: 5162

Product Description: Potassium Reagent C

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	80	1000ppm TWA (1900 mg/m ³)	1000 ppm TWA
Yes	67-56-1 Methyl Alcohol	4	200ppm TWA (260 mg/m ³)	200 ppm TWA
Yes	1310-73-2 Sodium Hydroxide	<0.1	C 2 mg/m ³	C 2 mg/m ³
Yes	493-52-7 Methyl Red	<0.1	None Established	None Established
No	7732-18-5 Water	to 100%	None Established	None Established

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: 1 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: Do not induce vomiting. Drink 1 - 2 glasses 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

Wear PPE noted in Section 8, ventilate area, and eliminate all sources of ignition. Absorb spill on inert material, containerize, and hold for disposal. Dispose according to federal, state, and local regulations.

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7. Handling & Storage

Keep container tightly closed. Store in cool, dry area away from incompatible materials. Do not use near heat or flame.

8. Exposure Controls/Personal Protection

Ventilation

Mechanical

Protection When Handling

Eye Protection Gloves Lab Coat

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

9. Physical & Chemical Properties

Appearance: Clear Yellow Liquid

Solubility In Water: Soluble

Odor: Alcohol

pH: N/A

Vapor Density: >1 (Air=1)

Vapor Pressure: ca. 40mm Hg @ 20° C

Boiling Point: ca. 80° 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

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11. Toxicological Information

Oral Rat LD50: 7060 mg/kg Ethanol, 5628 mg/kg Methanol. Ethanol has been linked to birth defects and cancer in humans.

Target Organs: Central Nervous System Skin

12. Ecological Information

Environmental Fate: Expected to readily biodegrade.

Environmental Toxicity: Not expected to be toxic to aquatic life. The LC50/96hour -values for fish are above 100mg/L.

13. Disposal Considerations

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	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	Toxic Pollutant	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

**Hazchem
Code**

**Poison
Schedule**

**This MSDS Is
WHMIS Compliant**

Ingredient

Acute

Chronic

Fire

Pressure

Reactivity

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 5162
as a whole**

Yes

Yes

Yes No

No

2[S]E

S5

Yes

16. Other Information

Keep out of the reach of children.

Prepared By: Regulatory Affairs Department

Revised: 9/14/2009
