



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: P-7028

Product Description: ALK 1 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	59	1900 mg/m ³	1000 ppm
Yes	67-56-1 Methyl Alcohol	3	260 mg/m ³	200 ppm
Yes	1310-73-2 Sodium Hydroxide	<0.1	C 2 mg/m ³	C 2 mg/m ³
Yes	76-60-8 Bromocresol Green	0.1	None Established	None Established
Yes	493-52-7 Methyl Red	<0.1	None Established	None Established
Yes	10102-17-7 Sodium Thiosulfate	<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

Warning! Flammable liquid and vapor. Harmful if swallowed or inhaled. May be irritating to eyes, skin, and respiratory tract. Affects central nervous system.

HMIS Hazard

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

Health: 2 Flammability: 3 Reactivity: 2

Carcinogenicity: None:

Other Health Related Comments:

4. First Aid Measures

Eye Contact: Flush thoroughly with water for 15 minutes while occasionally lifting upper and lower eyelids. If irritation persists, contact physician.

Skin Contact: Flush skin with water for 15 minutes while removing affected clothing/shoes. If irritation develops, contact physician. Wash clothing prior to reuse.

Ingestion: Induce vomiting as directed by medical personnel. Contact physician immediately.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and seek immediate medical attention.

5. Fire Fighting Measures

Flash Point (Method Used): >12°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 inert material, place in chemical waste container, and hold for proper waste disposal. Dispose in accordance to federal, state, and local regulations.

7. Handling & Storage

Store in cool, dry, storage area away from incompatible materials and 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 and avoid contact with eyes & skin. Wash after handling.

9. Physical & Chemical Properties

Appearance: Dark Blue-green Liquid

Solubility In Water: Soluble

Odor: Alcohol

pH: N/A

Vapor Density: 1.6 (Air=1)

Vapor Pressure: >25 mm Hg @ 20°C

Boiling Point: ca. 28°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

Target Organs: Central Nervous System Skin

12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Dispose according to federal, state and local regulations.

14. Transportation Information

Not Regulated For Transport

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	76-60-8 Bromcresol Green (free acid)	Yes	Yes	Yes	No	Yes	No
Yes	493-52-7 Methyl Red	Yes	Yes	Yes	No	Yes	Yes
Yes	7772-98-7 Sodium Thiosulfate, anhydrous	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
76-60-8 Bromcresol Green (free acid)	No	No	No	No	No	No	No
493-52-7 Methyl Red	No	No	No	No	No	No	No
7772-98-7 Sodium Thiosulfate, anhydrous	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

76-60-8
Bromocresol Green (free acid)

Yes

No

No No

No

None Allocated

None Allocated

493-52-7
Methyl Red

No

No

No No

No

None Allocated

None Allocated

7772-98-7
Sodium Thiosulfate, 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 P-7028
as a whole**

Yes

Yes

Yes No

No

2[S]E

S5

Yes

16. Other Information

Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 4/27/2009
