



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-7030

Product Description: Hard 2 Reagent

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	67-63-0 Isopropyl Alcohol	30	400 ppm (980mg/m ³)	400ppm (983 mg/m ³)
Yes	102-71-6 Triethanolamine	70	None Established	5 mg/m ³ (TWA)
Yes	2538-85-4 1-Naphthalene sulfonic acid, 3 Hydroxy-4-(2-hydroxy-1-naphthylazol), sodium salt	0.2	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: 2 Reactivity: 1

Carcinogenicity: None:

Other Health Related Comments:

Triethanolamine component is alkaline (pH 10- 11) and corrosive. It can cause dermatitis. (See Section 11).

4. First Aid Measures

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

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

Ingestion: DO NOT INDUCE VOMITING! Give large amounts of water to drink. Seek immediate medical attention.

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): 18°C closed cup (IPA) **LEL:** 2% **UEL:** 12.7%

Extinguishing Media: Dry chemical, CO2 extinguisher or appropriate foam

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazard: Vapors may flow along floor to ignition source and flash back.

6. Accidental Release Measures

Ventilate area & eliminate sources of ignition. Absorb spill on inert material, place in chemical waste container, and hold for disposal. Dispose according federal, state, & local regulations.

7. Handling & Storage

Store in cool, dry, storage area away from incompatible materials. Do not use near heat or flame. Do not store below 60° F as solution may freeze. Keep out of reach of children.

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: Thick dark blue liquid

Solubility In Water: Soluble

Odor: Alcohol

pH: ca. 11

Vapor Density: 3 (Air=1)

Vapor Pressure: 12 mmHg @ 24° C

Boiling Point: Unknown

Melting Point: Unknown

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Acids, oxidizers

Hazardous Decomposition Products: CO_x, NO_x

11. Toxicological Information

Oral rat LD50: 5045 mg/kg for Isopropanol; oral rat LD50: 8 gm/kg for Triethanolamine. Isopropanol investigated as a tumorigen, mutagen, reproductive effector. Triethanolamine as a tumorigen & mutagen.

Target Organs: Kidney Liver Skin

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Dispose of in accordance to federal, state, and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: ISOPROPANOL

IATA: ISOPROPANOL

Hazard Class/Div:

DOT: 3

IATA: 3

UN: 1219

Packing Group: II

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	67-63-0 Isopropyl Alcohol	Yes	Yes	Yes	No	Yes	Yes
Yes	102-71-6 Triethanolamine	Yes	Yes	Yes	No	Yes	Yes
Yes	2538-85-4 Calcon; (1-Naphthalenesulfonic acid, 3-Hydroxy-4-[2-hydroxy-1-naphthylazo],sodium salt	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			
67-63-0 Isopropyl Alcohol	No	No	Yes	No	No	No	No
102-71-6 Triethanolamine	No	No	No	No	No	No	No
2538-85-4 Calcon; (1-Napthalenesulfonic acid, 3-Hydroxy-4-[2-hydroxy-1-naphthylazo],sodium salt	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

67-63-0

Yes

Yes

Yes No

No

2[S]2

None Allocated

Isopropyl Alcohol

102-71-6

Yes

No

No No

No

None Allocated

None Allocated

Triethanolamine

2538-85-4

Yes

No

No No

No

None Allocated

None Allocated

Calcon; (1-Naphthalenesulfonic acid, 3-Hydroxy-4-[2-hydroxy-1-naphthylazo],sodium salt

**product P-7030
as a whole**

Yes

Yes

Yes No

No

2[S]2

None Allocated

Yes

16. Other Information

Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 4/28/2009
