



# 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:** 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	980 mg/cubic m
Yes	102-71-6 Triethanolamine	70	N/E	5 mg/cubic m
No	2538-85-4 1-Naphthalene sulfonic acid, 3 Hydroxy-4-(2-hydroxy-1-naph-thlazol), sodium salt	0.2		

### 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 (pH10 - 11) and corrosive.

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#### **4. First Aid Measures**

**Eye Contact:** Flush with water for 15 minutes. Consult physician.

**Skin Contact:** Flush skin with water. Remove contaminated clothing. Wash skin with soap and water.

**Ingestion:** Give plenty of water. Consult a physician immediately.

**Inhalation:** Remove to fresh air. Consult a physician.

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

**Flash Point (Method Used):** 12 deg C-closed cup      **LEL:** 2%      **UEL:** 12%

**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.

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

Ventilate area. Eliminate all sources of ignition. Absorb on paper or spill pads. Allow alcohol to evaporate on iron pan (or other non-combustible container) in fume hood. Burn paper.

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

Store in cool, dry, storage area away from incompatible materials. Do not use near heat or flame. Do not store @ <60 deg F--solution may freeze.

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## **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 and clothing. Wash after handling.

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## **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:** ca. 12 mm Hg @24 deg C

**Boiling Point:** Unknown

**Melting Point:** Unknown

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat

**Incompatibility (Materials To Avoid):** Acids, oxidizers

**Hazardous Decomposition Products:** CO<sub>x</sub>, NO<sub>x</sub>

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## **11. Toxicological Information**

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

**Target Organs:** Kidney Liver Skin

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## **12. Ecological Information**

Information Not Yet Available

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## **13. Disposal Considerations**

Place spill pads in closed container and hold for disposal to hazardous waste. Atomize into an incinerator. Follow all local, state and federal regulations.

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## **14. Transportation Information**

**Proper Shipping Name:**

**DOT:** ISOPROPANOL

**IATA:** ISOPROPANOL

**Hazard Class/Div:**

**DOT:** 3

**IATA:** 3

**UN:** 1219

**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	67-63-0 Isopropyl Alcohol	Yes	Yes	Yes	No	Yes	Yes
Yes	102-71-6 Triethanolamine	Yes	Yes	Yes	No	Yes	Yes
No	2538-85-4 Calcon (1-Napthalenesulfonic acid, 3-Hydroxy-4-[2-hydroxy-1-naphthylazo]-, s						

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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>			
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]-, s							

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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  
Calcon (1-Napthalenesulfonic acid, 3-Hydroxy-4-[2-hydroxy-1-naphthylazo]-, s

**product 7030**      Yes      Yes      Yes   No      No      2[S]2      None Allocated      Yes  
**as a whole**

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**16. Other Information**

**Prepared By:** IP, Regulatory Affairs Department

**Revised:** 12/15/2005

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