



# 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:** 2390

**Product Description:** Ethylene Glycol, 30%  
In sealed glass ampoule

**Manufactured By:** LaMotte Company  
802 Washington Avenue  
Chestertown, MD 21620

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	107-21-1 Ethylene Glycol	30 v/v	50 ppm	C 125 mg/cubic m as vapor
No	7732-18-5 Water	70		

### 3. Hazards Overview

**Primary Route Of Entry:** Skin Ingestion Inhalation

Warning! Harmful or fatal if swallowed. Prolonged inhalation of vapor may cause headache, respiratory tract irritation. Liquid may cause allergic skin reaction or irritation to skin and eyes. Affects central nervous system.

#### HMIS Hazard

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

Health: 2      Flammability: 0      Reactivity: 0

**Carcinogenicity:** None:

#### **Other Health Related Comments:**

Ethylene glycol is an experimental teratogen, mutagen, & reproductive effector (animal tests).

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

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

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

**Ingestion:** Induce vomiting. Drink water. Call a physician immediately.

**Inhalation:** Remove to fresh air.

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

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Dry chemical, CO<sub>2</sub>, or water spray

**Special Fire Fighting Procedures:** N/A

**Unusual Fire & Explosion Hazard:** N/A

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

Wash up with water. Mop up and flush to drain.

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

Store in cool, dry, place away from such incompatible materials as strong acids and strong oxidizers.

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

### **Protection When Handling**

Eye Protection Gloves Lab Coat

**Work/Hygenic Practices:** Use with adequate ventilation and avoid contact with skin and eyes. Wash after handling.

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## **9. Physical & Chemical Properties**

**Appearance:** Clear Colorless Liquid

**Solubility In Water:** Soluble

**Odor:** Slight, sweet

**pH:** N/A

**Vapor Density:** Unknown

**Vapor Pressure:** Unknown

**Boiling Point:** Unknown

**Melting Point:** N/A

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat

**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: 710 mg/kg; oral rat LD50: 4700 mg/kg for ethylene glycol

**Target Organs:** Central Nervous System Skin

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**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**

Not Regulated For Transport

**15. Regulatory Information**

**Chemical Inventory Status**

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	107-21-1 Ethylene Glycol	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			
107-21-1 Ethylene Glycol	No	No	Yes	No	5000	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**

<b>Ingredient</b>	<b>Acute</b>	<b>Chronic</b>	<b>Fire</b>	<b>Pressure</b>	<b>Reactivity</b>			
107-21-1 Ethylene Glycol	Yes	Yes	No	No	No	None Allocated	None Allocated	
7732-18-5 Distilled Water	No	No	No	No	No	None Allocated	None Allocated	
<b>product 2390 as a whole</b>	Yes	Yes	No	No	No	None Allocated	None Allocated	Yes

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**16. Other Information**

Do not open or break sealed glass ampoule

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

**Revised:** 10/13/2006

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