



# 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:** 4640

**Product Description:** Sulfide Test Solution #8

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

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	1310-73-2 Sodium Hydroxide	9	C 2 mg/m <sup>3</sup>	C 2 mg/m <sup>3</sup>
No	7732-18-5 Water	to 100%	Not Established	Not Established

### 3. Hazards Overview

**Primary Route Of Entry:** Skin Ingestion

Warning! Corrosive. Can cause severe irritation or burns to all body tissue. Harmful if swallowed.

#### HMIS Hazard

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

Health: 2      Flammability: 0      Reactivity: 1

**Carcinogenicity:** None:

**Other Health Related Comments:**

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

**Eye Contact:** Immediately flush with water for 15 minutes while lifting upper and lower eyelids. Call physician.

**Skin Contact:** Immediately flush affected area with water for 15 minutes while removing affected clothing/shoes. Call physician.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Drink several glasses of water. Rinse out mouth. Immediately Call physician.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and call emergency personnel.

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

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

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Not a fire hazard

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

**Unusual Fire & Explosion Hazard:** Adding water to caustic solutions generates large amounts of heat.

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

Ventilate area. See section 8 for PPE. Absorb onto inert material (vermiculite/sand) & containerize. Hold for Disposal in accordance to Federal, State, & Local regulations.

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

Store tightly closed in a cool, dry, storage area away from incompatible materials such as strong acids or metals.

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

### **Ventilation**

Normal

### **Protection When Handling**

Eye Protection Gloves Lab Coat

**Work/Hygenic Practices:** Avoid contact with eyes, skin, or clothing. Wash after handling.

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

**Appearance:** Clear colorless liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 14

**Vapor Density:** <1 (Air=1)

**Vapor Pressure:** <13 @ 20° C

**Boiling Point:** 105° C

**Melting Point:** ca. -10° C (14°F)

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat

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

**Hazardous Decomposition Products:** N/A

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## **11. Toxicological Information**

**Target Organs:** Corrosive to all body parts Respiratory System

**Pre-Existing Conditions Aggravated By Exposure:** Skin/eye disorders, respiratory function

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## **12. Ecological Information**

Information Not Yet Available.

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## **13. Disposal Considerations**

Dispose of in accordance to federal, state and local regulations. If permitted, dilute in water and neutralize with 6M-HCl.  
Flush to drain with copious amounts of water.

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## **14. Transportation Information**

**Proper Shipping Name:****DOT:** SODIUM HYDROXIDE SOLUTION**IATA:** SODIUM HYDROXIDE SOLUTION**Hazard Class/Div:****DOT:** 8**IATA:** 8**UN:** 1824**Packing Group:** II

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## **15. Regulatory Information**

### **Chemical Inventory Status**

Hazard	Ingredient	USA TSCA	Europe EC	--- Canada ---		Australia	Japan
				DSL	NDSL		
Yes	1310-73-2 Sodium Hydroxide	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			
1310-73-2 Sodium Hydroxide	No	No	No	No	1000	No	No
7732-18-5 Distilled Water	No	No	No	No	No	No	No

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--- SARA 311/312 ---

**Hazard Categories**

----- Australia -----

**Hazchem**

**Poison**

**This MSDS Is**

**Ingredient**   **Acute**   **Chronic**   **Fire**   **Pressure**   **Reactivity**   **Code**   **Schedule**   **WHMIS Compliant**

1310-73-2   Yes   No   No   No   Yes   2R   S6  
Sodium Hydroxide

7732-18-5   No   No   No   No   No   None Allocated   None Allocated  
Distilled Water

**product 4640**   Yes   No   No   No   Yes   2R   S6   Yes  
**as a whole**

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**16. Other Information**

**Prepared By:** Regulatory Affairs Department

**Revised:** 4/6/2009

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