



# 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:** 7742

**Product Description:** Total Oxidants Reagent #3

**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	10	C 2 mg/cubic m	C 2 mg/cubic m
Yes	7440-66-6 Zinc powder	<1%	N/E	10 mg/cubic m, ZnO fume
Yes	77-09-8 Phenolphthalein	1	N/E	N/E
No	7732-18-5 Water	to 100%		

### 3. Hazards Overview

**Primary Route Of Entry:** Skin Ingestion

Poison! Danger! Corrosive. Liquid and mist cause severe burns to all body tissue. Inhalation may cause coughing, chest pains, damage to lungs. Ingestion may be fatal. Reacts with water, acids, and other materials.

#### HMIS Hazard

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

Health: 2      Flammability: 0      Reactivity: 1

**Carcinogenicity:** Yes: NTP

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

CA Prop.65 Warning: This product contains phenolphthalein, a chemical known to the state of California to cause cancer.

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

**Eye Contact:** Immediately flush with water for 15 minutes. Get prompt medical attention.

**Skin Contact:** Immediately flush skin with water for 15 minutes while removing affected clothing. Consult physician.

**Ingestion:** Do not induce vomiting. Rinse out mouth. Drink plenty of water. Call a doctor 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:** Not a fire hazard

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

**Unusual Fire & Explosion Hazard:** Can react with metals to produce flammable hydrogen gas

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

Wear gloves & eye protection. Carefully neutralize with dilute acid (6M-HCl). Flush down drain with excess water.

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

Store in cool, dry, storage area away from incompatible materials.

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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.

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**9. Physical & Chemical Properties**

**Appearance:** Clear Colorless Liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 14

**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):** Acids, metals

**Hazardous Decomposition Products:** N/A

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**11. Toxicological Information**

**Target Organs:** N/A

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## **12. Ecological Information**

Information Not Yet Available

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## **13. Disposal Considerations**

Pour into water. Carefully neutralize with 6M-HCl. Flush down drain with excess water. Dispose according to federal, state and local regulations.

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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**

<b>Hazard</b>	<b>Ingredient</b>	<b>USA</b>	<b>Europe</b>	<b>--- Canada ---</b>		<b>Australia</b>	<b>Japan</b>
		<b>TSCA</b>	<b>EC</b>	<b>DSL</b>	<b>NDSL</b>		
Yes	1310-73-2 Sodium Hydroxide	Yes	Yes	Yes	No	Yes	Yes
Yes	7440-66-6 Zinc Dust	Yes	Yes	Yes	No	Yes	No
Yes	77-09-8 Phenolphthalein	Yes	Yes	Yes	No	Yes	Yes
No	7732-18-5 Distilled Water	Yes	Yes	Yes	No	Yes	Yes

**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>			
1310-73-2 Sodium Hydroxide	No	No	No	No	1000	No	No
7440-66-6 Zinc Dust	No	No	Yes	No	1000	No	No
77-09-8 Phenolphthalein	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**

1310-73-2

Yes

No

No

No

Yes

2R

S6

Sodium Hydroxide

7440-66-6

Yes

No

Yes

No

Yes

4Y

S6

Zinc Dust

77-09-8

Yes

Yes

No

No

No

None Allocated

None Allocated

Phenolphthalein

7732-18-5

No

No

No

No

No

None Allocated

None Allocated

Distilled Water

**product 7742  
as a whole**

Yes

Yes

Yes

Yes

Yes

Yes

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**16. Other Information**

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

**Revised:** 2005-09-06

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