



# 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:** 7393

**Product Description:** Zinc Reagent Powder

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

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	1303-96-4 Sodium Tetraborate, 10-Hydrate	52	5 mg/cubic m	5 mg/cubic m
Yes	62625-22-3 Zincon monosodium salt	0.2	N/E	N/E
Yes	7647-14-5 Sodium Chloride	<48	N/E	N/E

### 3. Hazards Overview

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

Harmful by inhalation, skin contact and if swallowed. Irritating to eyes, skin, and nose.

#### 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:**

See Section 11, Toxicity.

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

**Eye Contact:** Immediately flush with water for 15 minutes. Consult a physician.

**Skin Contact:** Flush thoroughly with water.

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

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen.

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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:** N/A

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

Avoid raising dust. Carefully sweep up spilled material and place in clean, dry glass or plastic container with lid. Wash spill area with water.

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

Store in cool, dry place away from incompatible materials. Keep out of reach of children.

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

### **Ventilation**

Mechanical

### **Protection When Handling**

Eye Protection   Gloves   Lab Coat

**Work/Hygenic Practices:**   Avoid contact with skin or eyes.   Avoid breathing dust.   Wash hands after handling.

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

**Appearance:**   Purple Crystalline powder

**Solubility In Water:**   Soluble

**Odor:**   None

**pH:**   9 (0.1g in 10mL water)

**Vapor Density:**   N/A

**Vapor Pressure:**   N/A

**Boiling Point:**   N/A

**Melting Point:**   Unknown

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## **10. Stability & Reactivity**

**Stable:**   Yes

**Conditions To Avoid:**   Moisture, extreme heat or cold

**Incompatibility (Materials To Avoid):**   Strong acids, oxidizers, metal powders.

**Hazardous Decomposition Products:**   N/A

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## **11. Toxicological Information**

Oral rat LD50: 2660 mg/kg for sodium tetraborate, hydrate. Investigated as a mutagen, reproductive effector. Anhydrous form investigated as a reproductive effector.

**Target Organs:**   Skin

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## **12. Ecological Information**

Information Not Yet Available

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## **13. Disposal Considerations**

Small amount: Dissolve in water and flush to drain. Dispose of larger amounts of spilled material as hazardous waste, according to federal, state and local regulations.

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## **14. Transportation Information**

Not Regulated For Transport

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## **15. Regulatory Information**

### **Chemical Inventory Status**

Hazard	Ingredient	USA TSCA	Europe EC	--- Canada ---		Australia	Japan
				DSL	NDSL		
Yes	1330-43-4 Borates, Tetra, Sodium Salts (anhydrous)	Yes	Yes	Yes	No	Yes	Yes
Yes	62625-22-3 Zincon, monosodium salt	Yes	Yes	Yes	No	Yes	?
Yes	7647-14-5 Sodium Chloride	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			
1330-43-4 Borates, Tetra, Sodium Salts (anhydrous)	No	No	No	No	No	No	No
62625-22-3 Zincon, monosodium salt	No	No	No	No	No	No	No
7647-14-5 Sodium Chloride	No	No	No	No	No	No	No

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**--- SARA 311/312 ---****Hazard Categories****----- Australia -----****Hazchem  
Code****Poison  
Schedule****This MSDS Is  
WHMIS Compliant****Ingredient    Acute    Chronic    Fire    Pressure    Reactivity**

1330-43-4    Yes    Yes    No    No    No  
Borates, Tetra, Sodium Salts (anhydrous)

None Allocated    S5

62625-22-3    Yes    No    No    No    No  
Zincon, monosodium salt

None Allocated    None Allocated

7647-14-5    Yes    No    No    No    No  
Sodium Chloride

None Allocated    None Allocated

**product 7393**    Yes    No    No    No    No    None Allocated    None Allocated    Yes  
**as a whole**

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**16. Other Information**

Revisions: Section 2, ingredient changed.

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

**Revised:** 11/26/2008

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