



# 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:** 5157

**Product Description:** Phosphorus Reagent 3 Tablets

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

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	10025-69-1 Stannous Chloride Dihydrate	1.5	2 mg/m <sup>3</sup> as Sn (TWA)	2 mg/m <sup>3</sup> as Sn (TWA)
Yes	7447-40-7 Potassium Chloride	>98%	15 mg/m <sup>3</sup> (dust)	10 mg/m <sup>3</sup>

### 3. Hazards Overview

**Primary Route Of Entry:** Ingestion

May irritate eyes and skin. Ingestion of large quantities may cause gastrointestinal irritation and circulatory problems.

#### 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:** Flush thoroughly with water lifting upper and lower eyelids occasionally. If irritation develops, contact physician.

**Skin Contact:** Flush with water. Wash with soap and water. If irritation develops, contact physician.

**Ingestion:** Drink several glasses of water. Consult a physician.

**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:** N/A

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

Sweep up and containerize for disposal or reclamation. Dispose according to federal, state, and local regulations.

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

Keep container tightly closed. Store in a cool, dry area away from heat, moisture, ignition sources, and incompatible materials.

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

### **Ventilation**

Normal

### **Protection When Handling**

Eye Protection

**Work/Hygenic Practices:** Avoid handling tablets. Wash after handling.

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

**Appearance:** White Tablet

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 3 (1 tablet/10mL water)

**Vapor Density:** N/A

**Vapor Pressure:** N/A

**Boiling Point:** N/A

**Melting Point:** 772° C (KCl)

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** N/A

**Incompatibility (Materials To Avoid):** N/A

**Hazardous Decomposition Products:** N/A

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## **11. Toxicological Information**

Potassium chloride Oral Rat LD50: 2600 mg/kg; investigated as a mutagen. Stannous chloride, anhydrous: Oral Rat LD50: 700 mg/kg; Stannous chloride, hydrate: investigated as a mutagen, reproductive effector.

**Target Organs:** GI System

**Pre-Existing Conditions Aggravated By Exposure:** Persons with impaired kidney function

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**12. Ecological Information**Information Not Yet Available

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**13. Disposal Considerations**Dispose 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	7772-99-8 Stannous Chloride anhydrous	Yes	Yes	Yes	No	Yes	Yes
Yes	7447-40-7 Potassium 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			
7772-99-8 Stannous Chloride anhydrous	No	No	No	No	No	No	No
7447-40-7 Potassium 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**

7772-99-8    Yes    Yes    No    No    No  
Stannous Chloride anhydrous

None Allocated    None Allocated

7447-40-7    Yes    No    No    No    No  
Potassium Chloride

None Allocated    None Allocated

**product 5157**    Yes    No    No    No    No    None Allocated    None Allocated    Yes  
**as a whole**

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**16. Other Information**

Keep out of reach of children.

**Prepared By:** Regulatory Affairs Department

**Revised:** 9/14/2009

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