



# 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:** 5422

**Product Description:** Phosphorus Tablets

**Manufactured By:** LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	12054-85-2 Ammonium Molybdate tetrahydrate	<2	5 mg/cubic m as Mo, soluble compnd	0.5 mg/cubic m as Mo, sol., respirable
Yes	89-65-6 D-isoascorbic Acid	<2	N/E	N/E
	N/A buffers, fillers, tableting aids, excipients	>95		

All other ingredients are proprietary, NJTSRN 80100291-5034p

None of the unlisted ingredients are carcinogens or highly hazardous materials.

None of the proprietary ingredients in this tablet are RCRA hazardous wastes.

\*Ingredients not listed by name are proprietary to LaMotte Co, registered under the state of New Jersey (U.S.A.) trade secret protection law, assigned the NJ Trade Secret Registry # 80100291-5034p and may be disclosed only in a medical emergency.

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### **3. Hazards Overview**

**Primary Route Of Entry:** Skin Ingestion

May be irritating to eyes and skin or harmful if swallowed.

#### **HMIS Hazard**

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

**Health: 1      Flammability: 0      Reactivity: 0**

**Carcinogenicity:** None:

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

Contains 2-5% of a proprietary ingredient that is toxic & can cause irregular heartbeat if ingested in very large amounts. Ingredient has been investigated as a tumorigen & mutagen. Tablets are acidic in water (pH 2) and may irritate skin for that reason

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

**Eye Contact:** Wash with water for 15 minutes. Consult physician.

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

**Ingestion:** Do not induce vomiting. Drink plenty of water. Consult 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**

Wear gloves and eye protection. Sweep up carefully, with crushing tablets and generating dust. Dissolve in water. Wash down drain with excess water.

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## **7. Handling & Storage**

Store in cool, dry, ventilated place 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 repeated handling of tablets. Wash after handling.

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

**Appearance:** Small White Tablet

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 2 (1 tablet 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:** Heat, moisture

**Incompatibility (Materials To Avoid):** Strong reducers, acids

**Hazardous Decomposition Products:** N/A

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**11. Toxicological Information**

Oral rat LD50: 333 mg/kg for ammonium molybdate; 115 mg/kg for a toxic proprietary ingredient present at 2-5 % by wt. in each 100 mg tablet. A 110 lb. human would have to swallow >1000 tablets in a short time to ingest a fatal dose of this ingredient!

**Target Organs:** Skin

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**12. Ecological Information**

Information Not Yet Available

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**13. Disposal Considerations**

Some states do not permit disposal of large quantities of these tablets to ordinary trash (pH in water is 2). They may be dissolved in water and neutralized to pH 6-7 for drain disposal, or sent to hazardous waste. Follow federal, state & local regs.

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**14. Transportation Information**

Not Regulated For Transport

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**15. Regulatory Information**

Hazard	Ingredient	<b><u>Chemical Inventory Status</u></b>					
		USA TSCA	Europe EC	--- Canada --- DSL NDSL		Australia	Japan
Yes	12027-67-7 Ammonium Molybdate anhydrous	Yes	Yes	Yes	No	Yes	Yes
Yes	89-65-6 D-Arabo-ascorbic Acid	Yes	Yes	Yes	No	Yes	Yes

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**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>			
12027-67-7 Ammonium Molybdate anhydrous	No	No	No	No	No	No	No
89-65-6 D-Arabo-ascorbic Acid	Yes	No	No	No	No	No	No

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Ingredient	Acute	--- SARA 311/312 --- Hazard Categories				Reactivity	----- Australia -----		This MSDS Is WHMIS Compliant
		Chronic	Fire	Pressure	Hazchem Code		Poison Schedule		
12027-67-7 Ammonium Molybdate anhydrous	Yes	Yes	No	No	No	None Allocated	None Allocated		
89-65-6 D-Arabo-ascorbic Acid	No	No	No	No	No	None Allocated	None Allocated		

**product 5422 as a whole**      Yes      No      No      No      No      None Allocated      None Allocated      Yes

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### **16. Other Information**

The toxic proprietary ingredient present in the tablet at 2-4% is regulated under SARA 313, Chemical Category.

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

**Revised:** 11/29/2007

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