



# 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:** 4321

**Product Description:** Nitrate UDV  
(Unit Dose Vial)

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

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7440-66-6 Zinc Dust; Zinc powder	<2.0	10 mg/m <sup>3</sup> , Zinc oxide dust	10 mg/m <sup>3</sup> , Zinc oxide fume
Yes	7790-62-7 Potassium pyrosulfate	10-15	N/E	N/E

\*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 # 80100291-5100p and may be disclosed only in a medical emergency.

### 3. Hazards Overview

**Primary Route Of Entry:**

May be 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:**

---

**Product Code:** 4321

**Product Description:** Nitrate UDV  
(Unit Dose Vial)

---

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

**Eye Contact:** Flush with water for 15 minutes while gently lifting upper and lower eyelids. If irritation persists, contact physician.

**Skin Contact:** Flush with water for 15 minutes while removing affected clothing/shoes. Wash with soap and water. If irritation develops, contact physician.

**Ingestion:** Drink several glasses of water. Do not induce vomiting unless directed to do so by medical personnel. If irritation develops, contact physician.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and seek immediate medical attention.

---

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

**Flash Point (Method Used):** Not applicable                      **LEL:** N/A                      **UEL:** N/A

**Extinguishing Media:** Not a fire hazard

**Special Fire Fighting Procedures:** Wear proper equipment

**Unusual Fire & Explosion Hazard:** N/A

---

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

Containerize spill material in a suitable container for disposal and hold for disposal. Dispose in accordance to federal, state, and local regulations. If permitted, dissolve in water and flush to drain with copious amount of water.

---

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

Store in a cool, dry, location away from moisture, heat, and sunlight.

---

---

**Product Code:** 4321

**Product Description:** Nitrate UDV  
(Unit Dose Vial)

---

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

### **Ventilation**

Normal

Use in an area that has adequate ventilation.

### **Protection When Handling**

Eye Protection Gloves labcoat

**Work/Hygenic Practices:** Avoid direct skin contact with powder. Wash with soap and water after handling.

---

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

**Appearance:** Gray powder in UDV

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 2.5 (calc. 0.1g in 10mL water)

**Vapor Density:** Not Applicable

**Vapor Pressure:** Not Applicable

**Boiling Point:** Not Applicable

**Melting Point:** Not Applicable

---

## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat, light, moisture

**Incompatibility (Materials To Avoid):** Contact with nitric acid or other strong oxidizers

**Hazardous Decomposition Products:** CO<sub>x</sub>, NO<sub>x</sub>, SO<sub>x</sub>

---

## **11. Toxicological Information**

**Target Organs:** N/A

---

**Product Code:** 4321

**Product Description:** Nitrate UDV  
(Unit Dose Vial)

**12. Ecological Information**

Information not yet know.

**13. Disposal Considerations**

Dispose of in accordance to federal, state, and local regulations.

**14. Transportation Information**

Not Regulated For Transport

**15. Regulatory Information**

**Chemical Inventory Status**

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	7440-66-6 Zinc Dust	Yes	Yes	Yes	No	Yes	No
Yes	7790-62-7 Potassium pyrosulfate	Yes	Yes	Yes	No	Yes	No

**Federal, State, & International Regulations**

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA 261.33	TSCA 8(D)
	RQ	TPQ	Listed	Chemical Category			
7440-66-6 Zinc Dust	No	No	Yes	No	1000	No	No
7790-62-7 Potassium pyrosulfate	No	No	No	No	No	No	No

---

**Product Code:** 4321

**Product Description:** Nitrate UDV  
(Unit Dose Vial)

---

--- SARA 311/312 ---

----- Australia -----

**Hazard Categories**

**Hazchem  
Code**

**Poison  
Schedule**

**This MSDS Is  
WHMIS Compliant**

**Ingredient**    **Acute**    **Chronic**    **Fire**    **Pressure**    **Reactivity**

7440-66-6    Yes    No    Yes    No    Yes  
Zinc Dust

7790-62-7    Yes    Yes    No    No    No  
Potassium pyrosulfate

4Y

S6

None Allocated

None Allocated

**product 4321  
as a whole**

No    No    No    No    No

None Allocated

None Allocated

Yes

---

**16. Other Information**

Keep out of reach of children.

**Prepared By:**

**Revised:** 4/3/2009

---