



# 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:** 5161

**Product Description:** Potassium Reagent B Tablets

**Manufactured By:** LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7632-00-0 Sodium Nitrite	60	None Established	None Established
Yes	13600-98-1 Sodium Cobaltinitrite	29	0.1 mg/m <sup>3</sup> (TWA) as Co metal dust	0.02 mg/m <sup>3</sup> (TWA) as inorganic Co compound
Yes	532-32-1 Sodium Benzoate	11	None Established	None Established

### 3. Hazards Overview

**Primary Route Of Entry:** Skin Ingestion

Poison! Danger! Can cause severe irritation to eyes, skin, lungs. Harmful or fatal if swallowed. Poisoning can also occur by absorption through the skin.

#### HMIS Hazard

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

Health: 2      Flammability: 0      Reactivity: 2

**Carcinogenicity:** None:

**Other Health Related Comments:**

**4. First Aid Measures**

**Eye Contact:** Flush thoroughly with water for 15 minutes occasionally lifting upper and lower eyelids. Seek medical attention.

**Skin Contact:** Flush thoroughly with water for 15 minutes removing affected clothing/shoes. Wash with soap and water. Seek medical attention.

**Ingestion:** Induce vomiting immediately. Seek medical attention.

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

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**5. Fire Fighting Measures**

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Water spray

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

**Unusual Fire & Explosion Hazard:** Tablet is an oxidizer. Contact w/ other material can cause fire. May emit toxic fumes or explode under fire conditions.

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**6. Accidental Release Measures**

Wear gloves and eye protection. Avoid crushing tablets and raising dust. Sweep up, containerize, and hold for disposal. Dispose according to federal, state, and local regulations.

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**7. Handling & Storage**

Keep container tightly closed. Store in cool, dry, ventilated area away from heat, moisture, sources of ignition, combustibles, and readily oxidizable materials.

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

### **Ventilation**

Normal

### **Protection When Handling**

Eye Protection Gloves Lab Coat

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

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

**Appearance:** Small Gold Tablet

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 6 (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, organics

**Hazardous Decomposition Products:** NO<sub>x</sub>, toxic metal fumes when heated to decomposition.

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## **11. Toxicological Information**

Sodium nitrite-oral rat LD50: 85 mg/kg; 1 gram sodium nitrite caused death in human. Cobalt and its compounds shown to cause cancer in lab animals. (IARC 2B). Investigated as a reproductive effector. Toxic by ingestion. Repeated oral doses affect thyroid.

**Target Organs:** Heart Kidney Lung Skin Thyroid

**Pre-Existing Conditions Aggravated By Exposure:** skin disorders; impaired liver, lungs

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## **12. Ecological Information**

Information Not Yet Available

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## **13. Disposal Considerations**

Treat as hazardous waste and send to a RCRA-approved waste facility. Dispose according to federal, state and local regulations.

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## **14. Transportation Information**

**Proper Shipping Name:**

**DOT:** SODIUM NITRITE

**IATA:** SODIUM NITRITE

**Hazard Class/Div:**

**DOT:** 5.1(6.1)

**IATA:** 5.1(6.1)

**UN:** 1500

**Packing Group:** III

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## **15. Regulatory Information**

### **Chemical Inventory Status**

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	7632-00-0 Sodium Nitrite	Yes	Yes	Yes	No	Yes	Yes
Yes	13600-98-1 Sodium Cobaltinitrite	Exe	Yes	No	No	Yes	No
Yes	532-32-1 Sodium Benzoate	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>			
7632-00-0 Sodium Nitrite	No	No	Yes	No	100	No	No
13600-98-1 Sodium Cobaltinitrite	No	No	No	Cobalt comp.	1	No	No
532-32-1 Sodium Benzoate	No	No	No	No	No	No	No

<b>Ingredient</b>	<b>Acute</b>	<b>--- SARA 311/312 --- Hazard Categories</b>				<b>----- Australia -----</b>		<b>This MSDS Is WHMIS Compliant</b>
		<b>Chronic</b>	<b>Fire</b>	<b>Pressure</b>	<b>Reactivity</b>	<b>Hazchem Code</b>	<b>Poison Schedule</b>	
7632-00-0 Sodium Nitrite	Yes	No	Yes	No	Yes	1[T]	S5	
13600-98-1 Sodium Cobaltinitrite	Yes	Yes	Yes	No	No	None Allocated	None Allocated	
532-32-1 Sodium Benzoate	Yes	No	No	No	No	None Allocated	None Allocated	
<b>product 5161 as a whole</b>	Yes	Yes	Yes	No	Yes	None Allocated	S5	Yes

**16. Other Information**

Keep out of reach of children.

**Prepared By:** Regulatory Affairs Department

**Revised:** 9/14/2009