



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: 4431

Product Description: Chromate Indicator Powder

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	5329-14-6 Sulfamic Acid	49	None Established	None Established
Yes	7447-40-7 Potassium chloride	>49	15 mg/m ³ (dust)	10 mg/m ³
Yes	140-22-7 1, 5-diphenylcarbohydrazide	1.4	None Established	None Established

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion Inhalation

Danger! Corrosive. Can cause severe irritation or burns to eyes, skin, and lungs. Harmful or fatal if swallowed.

HMIS Hazard

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

Health: 3 Flammability: 0 Reactivity: 1

Carcinogenicity: None:

Other Health Related Comments:

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4. First Aid Measures

Eye Contact: Flush with water for 15 minutes while lifting upper and lower eyelids. Contact physician immediately.

Skin Contact: Flush skin with water for 15 minutes while removing affected clothing. Contact physician immediately. Wash skin with soap and water.

Ingestion: Do not induce vomiting. Drink large quantity of water. Rinse out mouth. Seek immediate medical attention.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, administer artificial respiration.

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

6. Accidental Release Measures

Carefully sweep up powder, containerize, and hold for disposal. Avoid raising/breathing dust. Dispose according to federal, state, and local regulations.

7. Handling & Storage

Store in cool, dry, area away from heat, moisture, and incompatible materials.

8. Exposure Controls/Personal Protection

Ventilation

Mechanical

Handle in fume hood. Sulfamic acid dust is corrosive and very irritating to respiratory system and eyes.

Protection When Handling

Eye Protection Gloves Lab Coat

Work/Hygenic Practices: Avoid contact with eyes, skin, clothing, and inhalation of dust. Wash after handling.

9. Physical & Chemical Properties

Appearance:	White Powder	Vapor Density:	N/A
Solubility In Water:	Soluble	Vapor Pressure:	N/A
Odor:	None	Boiling Point:	N/A
pH:	2 (0.1g/10mL H ₂ O)	Melting Point:	Unknown

10. Stability & Reactivity

Stable:	Yes
Conditions To Avoid:	Moisture
Incompatibility (Materials To Avoid):	Strong oxidizers, strong bases
Hazardous Decomposition Products:	CO _x , SO _x , NO _x

11. Toxicological Information

oral rat LD50: 2600 mg/kg, potassium chloride; 3160 mg/kg, sulfamic acid

Target Organs: Lungs

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Dispose according to federal, state, and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: SULFAMIC ACID

IATA: SULPHAMIC ACID

Hazard Class/Div:

DOT: 8

IATA: 8

UN: 2967

Packing Group: III

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	5329-14-6 Sulfamic Acid	Yes	Yes	Yes	No	Yes	Yes
Yes	7447-40-7 Potassium Chloride	Yes	Yes	Yes	No	Yes	Yes
Yes	140-22-7 1,5-Diphenylcarbazine	Yes	Yes	Yes	No	Yes	Yes

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Federal, State, & International Regulations

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA 261.33	TSCA 8(D)
	RQ	TPQ	Listed	Chemical Category			
5329-14-6 Sulfamic Acid	No	No	No	No	No	No	No
7447-40-7 Potassium Chloride	No	No	No	No	No	No	No
140-22-7 1,5-Diphenylcarbazine	No	No	No	No	No	No	No

Ingredient	Acute	--- SARA 311/312 --- Hazard Categories				----- Australia -----		This MSDS Is WHMIS Compliant
		Chronic	Fire	Pressure	Reactivity	Hazchem Code	Poison Schedule	
5329-14-6 Sulfamic Acid	Yes	No	No	No	No	2T	S6	
7447-40-7 Potassium Chloride	Yes	No	No	No	No	None Allocated	None Allocated	
140-22-7 1,5-Diphenylcarbazine	Yes	No	No	No	No	None Allocated	None Allocated	
product 4431 as a whole	Yes	No	No	No	No	2T	S5	Yes

16. Other Information

Keep out of the reach of children.

Prepared By: Regulatory Affairs Department

Revised: 9/8/2009