



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: 4056

Product Description: Arsenic Reagent #3
(Zinc Powder)

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 powder; Zinc dust	100	10 mg/m ³ , Zinc oxide dust	10 mg/m ³ , Zinc oxide fume

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion Inhalation

Warning! Harmful if swallowed or inhaled. May cause irritation to skin, eyes, respiratory tract. May form combustible dust concentrations in air. Water reactive. Moist zinc dust can generate flammable hydrogen gas.

HMIS Hazard

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

Health: 2 Flammability: 2 Reactivity: 2

Carcinogenicity: None:

Other Health Related Comments:

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4. First Aid Measures

Eye Contact: Flush with water for 15 minutes. Contact physician.

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

Ingestion: Induce vomiting immediately as directed by medical personnel. Contact physician.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen and contact physician.

5. Fire Fighting Measures

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Use approved Class D extinguishers or smother with dry sand, dry clay, or soda ash. Do NOT use water.

Special Fire Fighting Procedures: Firefighters wear self-contained breathing apparatus

Unusual Fire & Explosion Hazard: Catches fire if exposed to air. Contact w/ combustibles(wood, paper, oil) may cause fire or explosion.Emits toxic fumes in fire conditions.Reacts w/ water, generating hydrogen gas.

6. Accidental Release Measures

Remove all sources of ignition, mildly ventilate area, & wear appropriate PPE/respirator. Sweep up/vacuum area in a manner that will not disperse dust, & place in clean, dry, covered waste container. Dispose according to federal, state, & local regs.

7. Handling & Storage

Store tightly-sealed in a cool, dry, storage area away from incompatible materials such as moisture (water), sulfur, halogens, strong acids, alkalis, and strong oxidizers.

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8. Exposure Controls/Personal Protection

Ventilation

Mechanical

Substance may be pyrophoric and self-ignite.

Protection When Handling

Eye Protection Gloves Lab Coat

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

9. Physical & Chemical Properties

Appearance: bluish-gray powder

Solubility In Water: insoluble

Odor: None

pH: N/A

Vapor Density: N/A

Vapor Pressure: 1 mmHg at 487°C

Boiling Point: 907° C

Melting Point: 420° C

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat, moisture, air

Incompatibility (Materials To Avoid): Strong acids, bases, oxidizers, chlorine and bleaches.

Hazardous Decomposition Products: Zinc/zinc oxide fumes. Can release flammable, explosive hydrogen gas.

11. Toxicological Information

Zinc: Irritation skin, human: 300ug/3D-I mild; investigated as a mutagen.

Target Organs: Skin

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12. Ecological Information

Information Not Yet Available.

13. Disposal Considerations

Containerize dry material and dispose as hazardous waste according to federal, state, and local regulations.

14. Transportation Information

Not Regulated For Transport

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA TSCA	Europe EC	--- Canada --- DSL NDSL		Australia	Japan
Yes	7440-66-6	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

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--- SARA 311/312 ---

----- Australia -----

Hazard Categories

**Hazchem
Code**

**Poison
Schedule**

**This MSDS Is
WHMIS Compliant**

Ingredient	Acute	Chronic	Fire	Pressure	Reactivity
7440-66-6 Zinc Dust	Yes	No	Yes	No	Yes

4Y	S6
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product 4056 as a whole	Yes	No	Yes	No	Yes	4Y	S6	Yes
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16. Other Information

Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 3/27/2009
