



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: 4054

Product Description: Arsenic Reagent #1 Powder

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	87-69-4 L-Tartaric Acid	<99.0	15 mg/m ³ (dust)	10 mg/m ³ total dust
Yes	10101-97-0 Nickel Sulfate hexahydrate	<1.0	1 mg/m ³ (as Ni)	0.1 mg/m ³ (as Ni)
Yes	7782-63-0 Ferrous Sulfate heptahydrate	<1.0	N/E	1 mg/m ³ (sol. iron as Fe)

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion

May be harmful if swallowed. May irritate eyes, nose, skin and respiratory tract.

HMIS Hazard

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

Health: 1 Flammability: 1 Reactivity: 1

Carcinogenicity: Yes: IARC

Other Health Related Comments:

Nickel sulfate is toxic, a sensitizer (skin), and possible carcinogen.

Product Code: 4054

Product Description: Arsenic Reagent #1 Powder

4. First Aid Measures

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

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

Ingestion: Give several glasses of water to drink. Rinse out mouth. Consult physician or Poison Control Center.

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: Not a fire hazard

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazard: N/A

6. Accidental Release Measures

Sweep up powder using a method that will not disperse dust. Place in chemical waste container with lid and hold for disposal as hazardous waste. Materials containing nickel salts should not be flushed to sewer or drains.

7. Handling & Storage

Store in cool, dry, storage area away from incompatible materials.

8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Eye Protection Gloves Lab Coat

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

9. Physical & Chemical Properties

Appearance:	White powder with green flecks	Vapor Density:	N/A
Solubility In Water:	Soluble	Vapor Pressure:	N/A
Odor:	None	Boiling Point:	N/A
pH:	N/A	Melting Point:	Unknown

10. Stability & Reactivity

Stable:	Yes
Conditions To Avoid:	Heat, moisture
Incompatibility (Materials To Avoid):	Strong alkali
Hazardous Decomposition Products:	COx, SOx, nickel/nickel oxides

11. Toxicological Information

Oral rat LD50: 264mg/kg for nickel sulfate; 319 mg/kg for ferrous sulfate. Ferrous sulfate is being investigated as a tumorigen & mutagen. Nickel sulfate is being investigated as a tumorigen, mutagen, & reproductive effector.

Target Organs: Skin

Product Code: 4054

Product Description: Arsenic Reagent #1 Powder

12. Ecological Information

Information Not Yet Available.

13. Disposal Considerations

Hold for disposal 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	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	87-69-4 L-Tartaric Acid	Yes	Yes	Yes	No	Yes	Yes
Yes	7786-81-4 Nickel (II) Sulfate anhydrous	Yes	Yes	Yes	No	Yes	Yes
Yes	7720-78-7 Ferrous Sulfate, anhydrous	Yes	Yes	Yes	No	Yes	Yes

Federal, State, & International Regulations

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA 261.33	TSCA 8(D)
	RQ	TPQ	Listed	Chemical Category			
87-69-4 L-Tartaric Acid	No	No	No	No	No	No	No
7786-81-4 Nickel (II) Sulfate anhydrous	No	No	No	Nickel Comp.	100	No	No
7720-78-7 Ferrous Sulfate, anhydrous	No	No	No	No	1000	No	No

Product Code: 4054

Product Description: Arsenic Reagent #1 Powder

--- SARA 311/312 ---

----- Australia -----

Hazard Categories

**Hazchem
Code**

**Poison
Schedule**

**This MSDS Is
WHMIS Compliant**

Ingredient	Acute	Chronic	Fire	Pressure	Reactivity			
87-69-4 L-Tartaric Acid	No	No	No	No	No	None Allocated	None Allocated	
7786-81-4 Nickel (II) Sulfate anhydrous	Yes	Yes	No	No	No	2[Z]	S6	
7720-78-7 Ferrous Sulfate, anhydrous	Yes	Yes	No	No	No	None Allocated	None Allocated	
product 4054 as a whole	Yes	Yes	No	No	No	None Allocated	None Allocated	Yes

16. Other Information

Information obtained from test kit manufacturer. Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 3/26/2009
