



P.O. Box 329 - 802 Washington Avenue Chestertown, MD 21620 - USA
TELEPHONE # FOR INFORMATION 410 778-3100

24 HOUR EMERGENCY NUMBER (CHEM-TEL): USA, Canada, Puerto Rico 800-255-3924;

MATERIAL SAFETY DATA SHEET

Outside North American Continent 813-248-0585 (call Collect)

1. Product Identification

Manufactured By: LaMotte Company

802 Washington Avenue
Chestertown, MD 21620

Product Code: 4315

Product Description: Total Iron UDV

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7681-57-4 Sodium Metabisulfite	30-40	None Established	5 mg/m ³
Yes	7775-14-6 Sodium Hydrosulfite (Sodium Dithionite)	<20	None Established	None Established
Yes	366-18-7 2,2'-Bipyridine	<5	None Established	None Established

*All other ingredients not listed by name are proprietary to LaMotte Company, registered under the state of New Jersey trade secret protection law, and assigned the NJTSRN 80100291-5085p. They may be disclosed only in a medical emergency.

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion Inhalation

May be harmful if swallowed. May irritate eyes, nose, skin, respiratory tract. Severe allergic reaction in persons sensitive to sulfite.

HMIS Hazard

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

Health: 2 Flammability: 1 Reactivity: 1

Carcinogenicity: None:

Other Health Related Comments:

2,2'-Bipyridine investigated as a tumorigen, mutagen, reproductive effector.

4. First Aid Measures

Eye Contact: Flush with water for 15 minutes while lifting upper and lower eyelids. Seek immediate medical attention.

Skin Contact: Flush with water for 15 minutes while removing affected clothing/shoes. If irritation develops, contact physician. Wash clothing prior to reuse.

Ingestion: Induce vomiting, though vomiting may occur spontaneously. Rinse mouth and drink several glasses of water/milk. Contact physician.

Inhalation: Move to fresh air.

5. Fire Fighting Measures

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Dry chemical, alcohol-resistant foam, CO2

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

Unusual Fire & Explosion Hazard: Large aggregates of UDV powder may ignite when damp, or in high temperatures. Contact (of sodium hydrosulfite) w/ oxidizers may result in violent reaction.

6. Accidental Release Measures

Sweep up using method to avoid raising dust, containerize, and hold for disposal. Dispose in accordance to federal, state, and local regulations.

7. Handling & Storage

Store in cool, dry location away from oxidizers and other incompatible materials. Keep vials out of reach of children.

8. Exposure Controls/Personal Protection

Ventilation

Normal Mechanical

Must have good ventilation.

Protection When Handling

Eye Protection Gloves Lab Coat

Work/Hygenic Practices: Avoid contact with eyes or skin. Do not breathe dust. Wash hands after handling.

9. Physical & Chemical Properties

Appearance: White Powder

Solubility In Water: Soluble

Odor: None

pH: ~2 (in 10 mL water)

Vapor Density: N/A

Vapor Pressure: N/A

Boiling Point: N/A

Melting Point: Unknown

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Moisture, heat, flame, and ignition sources

Incompatibility (Materials To Avoid): Acids, metals, strong oxidizers

Hazardous Decomposition Products: Contact w/ moisture (water, ice, etc.) may release sulfur dioxide gas

11. Toxicological Information

Oral Rat LD50: 100 mg/kg for Bipyridyl; 00mg/kg Sodium hydrosulfite; 1131mg/kg Sodium Metabisulfite. Those allergic to sulfiting agents (used to preserve some foods) may be more susceptible to this substance.

Target Organs: Skin

Pre-Existing Conditions Aggravated By Exposure: Asthma

12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Dispose 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	7681-57-4 Sodium Metabisulfite	Yes	Yes	Yes	No	Yes	Yes
Yes	7775-14-6 Sodium Hydrosulfite; (Sodium Dithionite)	Yes	Yes	Yes	No	Yes	Yes
Yes	366-18-7 2,2'-Bipyridine	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			
7681-57-4 Sodium Metabisulfite	No	No	No	No	No	No	Yes
7775-14-6 Sodium Hydrosulfite; (Sodium Dithionite)	No	No	No	No	No	No	No
366-18-7 2,2'-Bipyridine	No	No	No	No	No	No	No

Ingredient	--- SARA 311/312 --- Hazard Categories					----- Australia -----		This MSDS Is WHMIS Compliant
	Acute	Chronic	Fire	Pressure	Reactivity	Hazchem Code	Poison Schedule	
7681-57-4 Sodium Metabisulfite	Yes	No	No	No	Yes	None Allocated	None Allocated	
7775-14-6 Sodium Hydrosulfite; (Sodium Dithionite)	Yes	No	Yes	No	Yes	1P	None Allocated	
366-18-7 2,2'-Bipyridine	Yes	No	No	No	No	2[Z]	None Allocated	
product 4315 as a whole	Yes	No	No	No	Yes	None Allocated	None Allocated	Yes

16. Other Information

Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 6/19/2009