MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY
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1. PRODUCT IDENTIFICATION

Iron #2 powder *Code Nr.* **WL-4451**

2. HAZARDOUS INGREDIENTS

NAME	*CAS #*	*TSCA #*	*%*	*PEL*	*TLV*
Sodium Metabisulfite	7681-57-4		87	N/E	5 mg/cubic m
Bipyridyl	366-18-7		7.7	N/E	N/E
All other ingredients are proprietary NJTSRN 80100291-5006p			2.3		

3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)

NAME	*CAS #*	*%*
Sodium Sulfite	7757-83-7	3

4. PHYSICAL DATA

Appearance: Gray Powder

Solubility in Water: Soluble	*Odor:* None	*Boiling Point:* N/A	*Melt. Point:* Unknown
Vapor Pressure: N/A	*Vapor Density:* N/A	*pH:* 6 (0.1g in 10mL water)	

5. FIRE AND EXPLOSION DATA

Flash Point (method used) N/A | *Flammable Limit: LEL:* N/A | *UEL:* N/A

Extinguishing Media: Not a fire hazard

HMIS Hazard: Health - 2 *Flammability -* 0 *Reactivity -* 1 *Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least*

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

Unusual Fire & Explosion Hazard:
N/A

6. REACTIVITY DATA

Stability:
☒ *Stable*
☐ *Unstable*

Conditions to avoid: Moisture, heat, flame, and ignition sources

Incompatibility (Materials to avoid):
Strong acids, bases, aluminum powder

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

7. HEALTH HAZARD DATA

Toxicity: Bipyridyl toxic internally. Oral rat LD50: 100 mg/kg for Bipyridyl solid

Primary Route of Entry: ☒ *Inhalation* ☒ *Skin* ☒ *Ingestion* ☐ *N/A*

Carcinogenicity: ☒ *None* ☐ *NTP* ☐ *OSHA* ☐ *IARC*

Other Health Related Comments:
Sodium Metabisulfite investigated as a tumorigen, mutagen, reproductive effector.

Target Organs: Skin, Respiratory System

Signs and symptoms of exposure:
May be harmful if swallowed. May irritate eyes, nose, skin, respiratory tract. Severe allergic reaction in persons sensitive to sulfite.

Medical Condition Aggravated by Exposure: Asthma

8. EMERGENCY FIRST AID PROCEDURES

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

Ingestion: Rinse out mouth. Induce vomiting. Drink plenty of water. Call a doctor.

Inhalation:
Move to fresh air. If not breathing give artificial respiration. If breathing is difficult. give oxygen.

Skin Contact:
Wipe off excess material from skin then flush with water for 15 minutes. Wash skin with soap and water.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
Avoid raising or breathing dust. Sweep up. Dissolve in water and flush down drain with excess water.

Disposal:
Dissolve in water, flush down drain with excess water. Dispose according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

In Handling: ☒ *Gloves* ☒ *Eye Protection* ☐ *N/A* ☒ *Other:* Lab Coat

Ventilation ☒ *Normal* ☐ *Mechanical* ☐ *Respiratory Protection*

Work/Hygienic Practices: Avoid inhalation of powder and contact with eyes or skin.

11. SPECIAL PRECAUTIONS

Use with adequate ventilation.

DATE: 10/1/02

The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

^ This is a toxic chemical subject to reporting requirements of section 313 of EPCRA and 40CFR372.