MATERIAL SAFETY DATA SHEET

4451, Iron Reagent #2 Powder Lamotte Company

MSDS Safety Information

MSDS Date: 09/20/2000
MSDS Number: CLKZT
Product ID: 4451, IRON REAGENT #2 POWDER
MFN: 01
Kit Part: Y

RESPONSIBLE PARTY
Cage: 1NSJ1
Name: Lamotte Company
Address: 802 Washington Ave.
         Box 329
         Chestertown MD 21620
Info Phone Number: 419-778-3100
Emergency Phone Number: 800-255-3924
Review Ind: y
Published: Y

CONTRACTOR SUMMARY

Cage: 59896
Name: CAROLINA BIOLOGICAL SUPPLY CO.
Address: 2700 York Rd.
         Burlington NC 27215-3387
Phone: 800-227-1150 / 910-584-0381
Contract Number: MDA414-01-P-2039
Cage: 1NSJ1
Name: Lamotte Company
Address: 802 Washington Ave.
         Box 329
         Chestertown MD 21620
Phone: 419-778-3100
Cage: 34807
Name: Lamotte Company
Address: 802 Washington Ave.
         Box 329
         Chestertown MD 21620
Phone: 410-778-3100

INGREDIENTS

CAS# : 7681-57-4
RTECS #: UX8225000
Name: Disodium Metabisulfate
Percent by WT: 87
ACGIH TLV: 5 mg/m3
ACGIH STEL: Not Established

CAS # : 366-18-7
RTECS #: DW1750000
Name: BIPRIDYL
Percent by WT: 7
Name: ALL OTHER INGREDIENTS ARE PROPRIETARY NJTSRN 80100291-5006P
Percent by WT: 2.3

CAS#: 7757-83-7
RTECS #: WE2150000
Name: SODIUM SULFITE
Percent by WT: 3

HEALTH HAZARDS DATA

Route of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES

Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure:
TARGET ORGANS: Skin, Respiratory System.

Explanation of Carcinogenicity: NONE. Sodium Metabisulfite Investigated as a Tumorigen, Mutagen, Reproductive effector.

Signs and Symptoms of Overexposure: MAY BE HARMFUL IF SWALLOWED. MAY IRRITATE EYES, NOSE, SKIN, RESPIRATORY TRACT. SEVERE REACTION IN PERSONS ALLERGIC TO SULFITE.

Medical Conditions Aggravated by Exposure: ASTHMA

First Aid:
EYE: Flush with water for 15 minutes. Consult Physician.
INHALATION: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.
SKIN: Wipe off excess material from skin with water for 15 minutes. Wash skin with soap and water.

HANDLING AND DISPOSAL

Spill Release Procedures: AVOID RAISING OR BREATHING DUST. Sweep up. Dissolve in water and flush down drain with excess water.

Waste Disposal Methods: Dissolve with water. Flush down drain with excess water. Dispose of according to Federal, State and Local Regulations.

Other Precautions: Use with adequate ventilation.

FIRE AND EXPLOSION HAZARD INFORMATION

Extinguishing Media: NOT A FIRE HAZARD.

Fire Fighting Procedures: FIRE FIGHTERS WEAR SELF-CONTAINED BREATHING APPARATUS.

CONTROL MEASURES

Ventilation: NORMAL
Protective Gloves: YES
Eye Protection: YES
Other Protective Equipment: LAB COAT
Work Hygienic Practices: AVOID INHALATION OF POWDER CONTACT WITH EYES OR SKIN.

Supplemental Safety and Health:
HAZARD: HEALTH-2, FLAMMABILITY-0, REACTIVITY-1.
PHYSICAL / CHEMICAL PROPERTIES

HCC: F2  
M.P./F.P. Text: UNKNOWN  
PH: 6  
Solubility in Water: SOLUBLE  
Appearance and Odor: Gray odorless powder

REACTIVITY DATA

Stability Indicator: YES  
Stability Condition to Avoid: Moisture, Heat, Flame, and Ignition Sources.  
Materials to Avoid: Strong Acids, Bases, Aluminum Powder.  
Hazardous Decomposition Products: Contact with moisture (water, wet ice, etc)  
Can release Sulfur Dioxide Gas.

TOXICOLOGICAL INFORMATION

Toxicological Information:  
Toxicity: BIPYRIDYL TOXIC INTERNALLY. ORAL RAT LD50:100 mg/kg for Bypridyl Solid.

OTHER INFORMATION:

Other Information: Item is part of a 20 pc. Kit for Iron High Range Refill Kit # 65-2877 from Carolina Biological. 4450, 4451, 2210, 2246, 4253, 4100, 4167, 4169, 4170, 6286, 7166, 7424, 4410, 6405, 7460, 7461, 4259, 4483, 4484, 5250, Part of 20 pc. Freshwater Refill Kit #65-2926. SEE MSDS SERIAL #CLKNF, CLKNM, CLKNQ, CLKNS, CLKNT, CLKRH, CLKRJ, CLKRS, CLKRV, CLKZW, CLKZX, CLKZY, CLKZZ, CLLBB, CLLBD, CLLBW, CLLCC, and CLLFC.

TRANSPORTATION INFORMATION

Responsible Party Cage: 1NSJ1  
Trans ID NO: 158704  
Product ID: 4451, Iron Reagent #2 Powder (SEE SUPPL)  
MSDS Prepared Date: 09/20/2000  
Review Date: 09/06/2001  
MFN: 1  
Multiple KIT Number: 0  
Kit Part IND: YES  
Review IND: YES  
Unit of Issue: CY  
Type of Container: CYLINDER

DETAIL DOT INFORMATION

DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

DETAIL IMO INFORMATION:

IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

DETAIL AFI INFORMATION
AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

HAZCOM LABEL

Product ID: 4451, IRON REAGENT #2 POWDER (SEE SUPPL)
Cage: 1NSJ1
Company Name: Lamotte Company
802 Washington Ave.
Box 329
Chestertown MD 21620
Health Emergency Phone: 800-255-3924 CHEM-TEL
Label Required IND: YES
Date Of Label Review: 09/06/2001
Status Code: A
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: WARNING
Respiratory Protection IND: NO
Health Hazard: Moderate
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: Slight
Hazard and Precautions:
TARGET ORGANS: Skin, Respiratory System.
MAY BE HARMFUL IF SWALLOWED. MAY IRRITATE EYES, NOSE, SKIN, RESPIRATORY TRACT. SEVERE ALLERGIC REACTION IN PERSONS ALLERGIC TO SULFITE.

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