

MATERIAL SAFETY DATA SHEET
 LaMOTTE COMPANY
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 TELEPHONE # FOR INFORMATION 410-778-3100
24 Hour Emergency Number (CHEM-TEL) 800-255-3924

1. PRODUCT IDENTIFICATION

Nitrate Reagent 1 *Code Nr. 5146*

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Sodium Bisulfate Monohydrate	10034-88-5		25	N/E	N/E
† Ammonium Sulfate	7783-20-2		8	N/E	N/E

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

NAME	CAS #	%
Cresol Red	1733-12-6	<0.1
Water to 100%		

4. PHYSICAL DATA

Appearance: Clear Pink Liquid
Solubility in Water: Soluble *Odor:* None *Boiling Point:* Unknown *Melt. Point:* N/A
Vapor Pressure: Unknown *Vapor Density:* Unknown *pH:* <1

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 - 1 Flammability - 0 Reactivity - 1 Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least
Special Fire Fighting Procedures:
 N/A
Unusual Fire & Explosion Hazard:
 Emits toxic fumes under fire conditions. Can react with metals to form hydrogen, or with bleaches to form chlorine gas.

6. REACTIVITY DATA

Stability: *Conditions to avoid:* Heat
 Stable *Incompatibility (Materials to avoid):*
 Strong alkalis, oxidizers, aqueous hypochlorites (bleach)
 Unstable *Hazardous Decomposition Products:* ammonia, NOx, SOx, hydrogen gas

7. HEALTH HAZARD DATA

Toxicity: oral rat LD50: 2490 mg/kg for sodium bisulfate solid
Primary Route of Entry: *Inhalation* *Skin* *Carcinogenicity:* *None* *NTP*
 Ingestion *N/A* *OSHA* *IARC*
Other Health Related Comments:

Target Organs: N/A
Signs and symptoms of exposure:
 Corrosive. Irritating to eyes, skin, nose, throat and respiratory system. Harmful if swallowed.
Medical Condition Aggravated by Exposure: N/A

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Immediately flush with water for 15 minutes. Consult a physician.
Ingestion: Do not induce vomiting. Rinse out mouth. Drink plenty of water. Consult physician immediately.
Inhalation:
 Remove to fresh air.
Skin Contact:
 Immediately flush with water for 15 minutes while removing affected clothing. Wash skin with soap and water.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
 Cover contaminated area with sodium bicarbonate. Scoop up neutralized slurry and flush to drain with excess water.

Disposal:
 Add slowly to a solution of soda ash and slaked lime. Pour neutralized solution 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 contact with eyes, skin and clothing.

11. SPECIAL PRECAUTIONS

Store away from alkalis.

DATE: 3/21/97 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.