

**MATERIAL SAFETY DATA SHEET**  
 LaMOTTE COMPANY  
 PO BOX 329 - CHESTERTOWN - MARYLAND - 21620  
 TELEPHONE # FOR INFORMATION 410-778-3100  
**24 Hour Emergency Number (CHEM-TEL) 800-255-3924**

1. PRODUCT IDENTIFICATION

**Nitrite-Nitrogen Test Reagent #1** Code Nr. **5151**

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
† Phenol	108-95-2		1.4	19 mg/cubic m (skin)	19 mg/cubic m (skin)
Ammonium Chloride	12125-02-9		28	20 mg/cubic m (fume)	10 mg/cubic m (fume)
† Hydrochloric Acid	7647-01-0		<1	C 5ppm	C 7.5mg/cubic m

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

NAME	CAS #	%
All other ingredients are proprietary, NJTSRN #80100291-5041p		

4. PHYSICAL DATA

Appearance: Clear Colorless Liquid  
 Solubility in Water: Soluble      Odor: Glue      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 - 0      Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least  
 Special Fire Fighting Procedures: N/A  
 Unusual Fire & Explosion Hazard: N/A

6. REACTIVITY DATA

Stability: Conditions to avoid: Heat  
 Stable      Incompatibility (Materials to avoid): Strong oxidizers, bases, silver compounds, metals  
 Unstable      Hazardous Decomposition Products: HCl gas, ammonia

7. HEALTH HAZARD DATA

Toxicity: orl rat LD50: 317 mg/kg for phenol; 1650 mg/kg for ammonium chloride 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: Harmful if swallowed. May irritate eyes, nose, skin.  
 Medical Condition Aggravated by Exposure: N/A

8. EMERGENCY FIRST AID PROCEDURES

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

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak: Cover spill with sodium bicarbonate. Small spill: Flush neutralized slurry down drain with excess water. Large spill: Collect slurry, containerize, and hold for disposal as hazardous waste.  
 Disposal: Add to solution of soda ash and slaked lime. Small spill: Add neutralized solution to running water & wash down drain. Large spill: Containerize and hold for disposal as hazardous waste, 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 skin or clothing.

11. SPECIAL PRECAUTIONS

N/A

DATE: 2/14/97      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.