

**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** Code Nr. **5152**  
**#2**

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
† Hydrochloric Acid	7647-01-0		20	C 7 mg/cubic m	C 5 ppm

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

NAME	CAS #	%
Water to 100%		

4. PHYSICAL DATA

Appearance: Clear Colorless Liquid  
 Solubility in Water: Soluble      Odor: Slight chlorine      Boiling Point: Unknown      Melt. Point: N/A  
 Vapor Pressure: >1atm @ 20 degC      Vapor Density: >1 (Air=1)      pH: <1

5. FIRE AND EXPLOSION DATA

Flash Point (method used) N/A      Flammable Limit: LEL: N/A      UEL: N/A  
 Extinguishing Media: Appropriate to surrounding fire  
 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:  
 May emit flammable hydrogen gas upon contact with metal.

6. REACTIVITY DATA

Stability:      Conditions to avoid: Heat  
 Stable      Incompatibility (Materials to avoid):  
 Metals, strong caustics, sulfides and sulfites. Contact with metals causes formation of flammable and explosive hydrogen gas.  
 Unstable      Hazardous Decomposition Products: Hydrogen chloride gas, hydrogen, chlorine

7. HEALTH HAZARD DATA

Toxicity: Unknown  
 Primary Route of Entry:  Inhalation       Skin      Carcinogenicity:  None       NTP  
     Ingestion       N/A       OSHA       IARC  
 Other Health Related Comments:  
 Target Organs: Corrosive to all body parts, Respiratory System  
 Signs and symptoms of exposure:  
 Severe burns. Ingestion may be fatal. Inhalation can cause coughing, chest pains, damage to lungs.  
 Medical Condition Aggravated by Exposure: N/A

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Immediately flush with water for at least 15 minutes. Consult a physician.  
 Ingestion: Do not induce vomiting. Rinse out mouth. Drink plenty of water. Call a doctor immediately.  
 Inhalation:  
 Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, give oxygen.  
 Skin Contact:  
 Immediately flush with water for at least 15 minutes while removing affected clothing. Consult a physician.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:  
 Cover with sodium bicarbonate or soda ash/slaked lime mixture. Mix and carefully add water to form slurry. Scoop up and wash down drain with excess water.  
 Disposal:  
 Add very slowly with stirring to a large volume of soda ash & slaked lime (sodium carbonate & calcium hydroxide). Pour this 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 skin and clothing and inhalation of vapor.

11. SPECIAL PRECAUTIONS

Store away from incompatible items--strong bases, metals, etc.

DATE: 2/2/99      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.