

MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY
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24 Hour Emergency Number (CHEM-TEL) 800-255-3924

1. PRODUCT IDENTIFICATION

Nitrite DRT Reagent

Code Nr. **6411**

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Λ Sulfuric Acid	7664-93-9		9 - 10	1 mg/cubic m	1 mg/cubic m
Ceric Ammonium Nitrate	16774-21-3		8	N/E	N/E

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

NAME	CAS #	%
Water (to 100%)		80 - 82

4. PHYSICAL DATA

<i>Appearance:</i> Clear Colorless Liquid			
<i>Solubility in Water:</i> Soluble	<i>Odor:</i> None	<i>Boiling Point:</i> >90 deg C	<i>Melt. Point:</i> N/A
<i>Vapor Pressure:</i> <17 @ 20 deg C	<i>Vapor Density:</i> Unknown	<i>pH:</i> <1	

5. FIRE AND EXPLOSION DATA

<i>Flash Point (method used)</i> N/A	<i>Flammable Limit: LEL:</i> N/A	<i>UEL:</i> N/A
<i>Extinguishing Media:</i> Dry chemical, CO2 extinguisher or appropriate foam		
<i>HMIS Hazard: Health - 2 Flammability - 0 Reactivity - 1</i> <i>Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least</i>		
<i>Special Fire Fighting Procedures:</i> Firefighters wear self-contained breathing apparatus		
<i>Unusual Fire & Explosion Hazard:</i> Can react with metals to produce hydrogen gas which can form an explosive mixture with air.		

6. REACTIVITY DATA

<i>Stability:</i>	<i>Conditions to avoid:</i> N/A
<input checked="" type="checkbox"/> <i>Stable</i>	<i>Incompatibility (Materials to avoid):</i> Metals, organic or combustible materials, strong bases
<input type="checkbox"/> <i>Unstable</i>	<i>Hazardous Decomposition Products:</i> SOx, NOx, hydrogen gas

7. HEALTH HAZARD DATA

<i>Toxicity:</i> orl rat LD50: 2140 mg/kg for sulfuric acid, 95%	
<i>Primary Route of Entry:</i>	<input checked="" type="checkbox"/> <i>Inhalation</i> <input checked="" type="checkbox"/> <i>Skin</i> <i>Carcinogenicity:</i> <input checked="" type="checkbox"/> <i>None</i> <input type="checkbox"/> <i>NTP</i> <input checked="" type="checkbox"/> <i>Ingestion</i> <input type="checkbox"/> <i>N/A</i> <input type="checkbox"/> <i>OSHA</i> <input type="checkbox"/> <i>IARC</i>
<i>Other Health Related Comments:</i>	
<i>Target Organs:</i> Corrosive to all body parts,	
<i>Signs and symptoms of exposure:</i> Severe burns. Ingestion may be fatal. Inhalation can cause coughing, chest pains, damage to lungs.	
<i>Medical Condition Aggravated by Exposure:</i> N/A	

8. EMERGENCY FIRST AID PROCEDURES

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

9. SPILL AND DISPOSAL PROCEDURES

<i>Spill and Leak:</i> Cover spill 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.
<i>Disposal:</i> Add very slowly with stirring to a large volume of soda ash (sodium carbonate) and slaked lime (calcium hydroxide). Pour neutralized solution down drain with excess water. Dispose according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

<i>In Handling:</i> <input checked="" type="checkbox"/> <i>Gloves</i> <input checked="" type="checkbox"/> <i>Eye Protection</i> <input type="checkbox"/> <i>N/A</i> <input checked="" type="checkbox"/> <i>Other:</i> Lab Coat
<i>Ventilation</i> <input checked="" type="checkbox"/> <i>Normal</i> <input type="checkbox"/> <i>Mechanical</i> <input type="checkbox"/> <i>Respiratory Protection</i>
<i>Work/Hygienic Practices:</i> Avoid contact with skin and clothing.

11. SPECIAL PRECAUTIONS

Store away from incompatible items.

DATE: 11/20/04 The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

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