

MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY
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1. PRODUCT IDENTIFICATION

Sulfate Test Solution

Code Nr. **5171**

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
^ Hydrochloric Acid	7647-01-0		0.2	C 7 mg/cubic m	C 5 mg/cubic m
Barium Chloride Dihydrate	10361-37-2		5	0.5 mg/cubic m	0.5 mg/cubic m

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

NAME	CAS #	%
Water to 100%		

4. PHYSICAL DATA

<i>Appearance:</i> Clear Colorless Liquid			
<i>Solubility in Water:</i> Soluble	<i>Odor:</i> None	<i>Boiling Point:</i> >100 deg C	<i>Melt. Point:</i> N/A
<i>Vapor Pressure:</i> Unknown	<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> Not a fire hazard		
<i>HMS Hazard:</i> Health - 2 Flammability - 0 Reactivity - 0 Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least		
<i>Special Fire Fighting Procedures:</i> N/A		
<i>Unusual Fire & Explosion Hazard:</i> N/A		

6. REACTIVITY DATA

<i>Stability:</i> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	<i>Conditions to avoid:</i> N/A <i>Incompatibility (Materials to avoid):</i> N/A <i>Hazardous Decomposition Products:</i> Hydrogen chloride
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7. HEALTH HAZARD DATA

<i>Toxicity:</i> orl rat LD50:118 mg/kg for Barium Chloride solid; orl hmn LDLo: 11 mg/kg, BaCl2 solid			
<i>Primary Route of Entry:</i>	<input type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion	<input checked="" type="checkbox"/> Skin <input type="checkbox"/> N/A	<i>Carcinogenicity:</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> OSHA <input type="checkbox"/> NTP <input type="checkbox"/> IARC
<i>Other Health Related Comments:</i>			
<i>Target Organs:</i> Eyes, Skin,			
<i>Signs and symptoms of exposure:</i> Harmful if swallowed. May irritate eyes, nose, skin.			
<i>Medical Condition Aggravated by Exposure:</i> N/A			

8. EMERGENCY FIRST AID PROCEDURES

<i>Eye Contact:</i> Flush thoroughly with water for 15 minutes. Consult a physician.
<i>Ingestion:</i> Rinse out mouth. Induce vomiting. Consult physician immediately.
<i>Inhalation:</i> Remove to fresh air.
<i>Skin Contact:</i> Flush skin with water while removing affected clothing. Wash skin with soap and water.

9. SPILL AND DISPOSAL PROCEDURES

<i>Spill and Leak:</i> Collect spilled liquid, containerize, and hold for hazardous waste disposal or treat as follows:
<i>Disposal:</i> Add dilute sulfuric acid to precipitate barium sulfate. Filter off the insolubles and send to EPA approved landfill. Neutralize liquid with sodium bicarbonate and pour down drain with excess water. Dispose according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

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

11. SPECIAL PRECAUTIONS

N/A

DATE: 4/11/2000 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