

# MATERIAL SAFETY DATA SHEET

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

## 1. PRODUCT IDENTIFICATION

**Sulfate Reagent**

*Code Nr. V-6277*

## 2. HAZARDOUS INGREDIENTS

| NAME                      | CAS #      | TSCA #     | %  | PEL                     | TLV                     |
|---------------------------|------------|------------|----|-------------------------|-------------------------|
| Barium Chloride dihydrate | 10326-27-9 | 10361-37-2 | 36 | 0.5 mg/cubic m<br>as Ba | 0.5 mg/cubic m<br>as Ba |
| Citric Acid, Monohydrate  | 5949-29-1  |            | 60 | N/E                     | N/E                     |
|                           |            |            |    |                         |                         |
|                           |            |            |    |                         |                         |
|                           |            |            |    |                         |                         |

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

| NAME       | CAS #     | % |
|------------|-----------|---|
| Gum Arabic | 9000-01-5 | 4 |
|            |           |   |
|            |           |   |
|            |           |   |

## 4. PHYSICAL DATA

|                                     |                           |                                   |                             |
|-------------------------------------|---------------------------|-----------------------------------|-----------------------------|
| <i>Appearance:</i> White Powder     |                           |                                   |                             |
| <i>Solubility in Water:</i> Soluble | <i>Odor:</i> None         | <i>Boiling Point:</i> N/A         | <i>Melt. Point:</i> Unknown |
| <i>Vapor Pressure:</i> N/A          | <i>Vapor Density:</i> N/A | <i>pH:</i> 3 (0.1g in 10mL water) |                             |

## 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>HMIS Hazard: Health - 2 Flammability - 0 Reactivity - 1</i> <span style="float: right;"><i>Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least</i></span> |                                  |                 |
| <i>Special Fire Fighting Procedures:</i><br>N/A  |                                  |                 |
| <i>Unusual Fire &amp; Explosion Hazard:</i><br>N/A   |                                  |                 |

## 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><br>Strong oxidizing materials |
| <input type="checkbox"/> <i>Unstable</i>          | <i>Hazardous Decomposition Products:</i> HCl, COx                          |

## 7. HEALTH HAZARD DATA

|   |   |
|---|---|
| <i>Toxicity:</i> TXDS orl hmn LDLo: 11.4 mg/kg for barium chloride  |   |
| <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><br><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> Heart, Central Nervous System   |   |
| <i>Signs and symptoms of exposure:</i><br>Toxic by inhalation or ingestion. May be fatal if swallowed. Abdominal pain and vomiting. |   |
| <i>Medical Condition Aggravated by Exposure:</i> N/A  |   |

## 8. EMERGENCY FIRST AID PROCEDURES

|  |
|--|
| <i>Eye Contact:</i> Flush with water for 15 minutes. Consult a physician.  |
| <i>Ingestion:</i> Induce vomiting immediately. Call a physician immediately.   |
| <i>Inhalation:</i><br>Remove to fresh air.   |
| <i>Skin Contact:</i><br>Immediately flush with water. Remove affected clothing and wash skin thoroughly with soap and water. |

## 9. SPILL AND DISPOSAL PROCEDURES

|  |
|--|
| <i>Spill and Leak:</i><br>Avoid breathing dust. Sweep up, containerize, & hold for hazardous waste disposal or treat as follows: Dissolve in water, add excess dilute sulfuric acid. Let stand overnight. Remove insolubles (BaSO4) & bury in EPA approved landfill. |
| <i>Disposal:</i><br>Same as above. Do NOT flush barium chloride to sewers. 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 inhalation of dust or contact w/eyes & skin. Wash thoroughly w/ soap & water after handling.   |

## 11. SPECIAL PRECAUTIONS

No eating or smoking when handling.

**DATE:** 1/11/00                                    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.