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MATERIAL SAFETY DATA SHEET (MSDS)**BARIUM DIPHENYLAMINE SULPHONATE LR****1. Product Identification**

Synonyms: BARIUM DIPHENYLAMINE SULFONATE

CAS No.: 6211-24-1

Product Coad: B0036100100

Chemical Formula: C₂₄-H₂₀-Ba-N₂-O₆-S₂

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
BARIUM DIPHENYLAMINE SULFONATE	6211-24-1	90 - 100%

3. Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. **Potential Chronic Health Effects:** CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

The substance may be toxic to kidneys, lungs, heart, cardiovascular system. Repeated or prolonged exposure to the substance can produce target organs damage.

4. First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available

5. Fire Fighting Measures

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), sulfur oxides (SO₂, SO₃...). Some metallic oxides.

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Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat.

Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

6. Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV.

7. Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure Controls/Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. **Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. **Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. **Exposure Limits:** TWA: 0.5 (mg(Ba)/m) Consult local authorities for acceptable exposure limits.

9. Physical and Chemical Properties

Physical state and appearance: Solid. (Powdered solid.) **Odor:** Odorless. **Taste:** Not available. **Molecular Weight:** 633.88 g/mole **Color:** White to Grey. **pH (1% soln/water):** Not available.

Boiling Point: Decomposes. **Melting Point:** 300°C (572°F)

10. Stability and Reactivity

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials.

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Polymerization: Will not occur.

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MATERIAL SAFETY DATA SHEET (MSDS)**BARIUM DIPHENYLAMINE SULPHONATE LR****11. Toxicological Information**

N/A

12. Ecological Information

Environmental Fate: No information found.
Environmental Toxicity: No information found.

13. Disposal Considerations

Waste Disposal:Waste must be disposed of in accordance with federal, state and local environmental control regulations

14. Transport Information

NON HAZARDOUS FOR AIR, ROAD AND SEA TRANSPORT

15. Regulatory Information

SARA Title III: N/A
Federal Regulatory: N/A

16. Other Information**Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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