



MATERIAL SAFETY DATA SHEET
Barium Diphenylamine 4-Sulfonate

Section 1 - Chemical Product and Company Identification

MSDS Name: Barium Diphenylamine 4-Sulfonate
Catalog Numbers: B/0620/44
Synonyms: p-Diphenylaminesulfonic Acid Barium Salt
Company Identification: Fisher Scientific UK
 Bishop Meadow Road, Loughborough
 Leics. LE11 5RG
For information in Europe, call: (01509) 231166
Emergency Number, Europe: 01509 231166

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
6211-24-1	Barium Diphenylamine Sulfonate	100	228-278-0

Hazard Symbols: XN



Risk Phrases: 20/22

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful by inhalation and if swallowed.

Potential Health Effects

Eye: May cause eye irritation.
Skin: Causes skin irritation. Low hazard for usual industrial handling.
Ingestion: May cause irritation of the digestive tract.
Inhalation: Low hazard for usual industrial handling. May cause respiratory tract irritation.
Chronic: No information found.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other

symptoms appear.

Notes to Physician:

Section 5 - Fire Fighting Measures

- General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
- Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use agent most appropriate to extinguish fire.

Section 6 - Accidental Release Measures

- General Information:** Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

- Handling:** Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.
- Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 6211-24-1:

Personal Protective Equipment

- Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Skin:** Wear appropriate gloves to prevent skin exposure.
- Clothing:** Wear appropriate protective clothing to minimize contact with skin.
- Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

- Physical State:** Solid
- Color:** white
- Odor:** odorless
- pH:** Not available
- Vapor Pressure:** Negligible.
- Viscosity:** Not available
- Boiling Point:** Decomposes.
- Freezing/Melting Point:** 300 deg C (572.00°F)
- Autoignition Temperature:** Not applicable
- Flash Point:** Not applicable.
- Explosion Limits: Lower:** Not available

Explosion Limits: Upper: Not available
Decomposition Temperature: Not available
Solubility in water: Slightly soluble in water.
Specific Gravity/Density: Not available.
Molecular Formula: C₂₄H₂₀N₂O₆S₂Ba
Molecular Weight: 633.5998

Section 10 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid: Incompatible materials, excess heat, strong oxidants.
Incompatibilities with Other Materials Not available
Hazardous Decomposition Products Carbon monoxide, oxides of nitrogen, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 6211-24-1: None listed
LD50/LC50: RTECS: Not available.
Carcinogenicity: Barium Diphenylamine Sulfonate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	BARIUM COMPOUNDS, TOXIC, NOS	BARIUM COMPOUNDS, TOXIC, NOS	BARIUM COMPOUNDS, TOXIC, NOS
Hazard Class:	6.1	6.1	6.1
UN Number:	1564	1564	1564
Packing Group:	III	III	III

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 20/22 Harmful by inhalation and if swallowed.

Safety Phrases:

S 28 After contact with skin, wash immediately with...

WGK (Water Danger/Protection)

CAS# 6211-24-1: Not available

Canada

CAS# 6211-24-1 is listed on Canada's DSL List

US Federal

TSCA

CAS# 6211-24-1 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 2/17/1998

Revision #3 Date 10/03/2005

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