

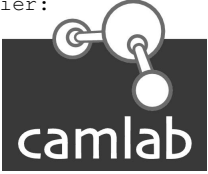
**1. Identification**

Product Code **1110782**

Product Name **BARIUM SULPHATE pure**

Molecular Formula **BaSO<sub>4</sub> =233.39**

CAS Number **7727-43-7**

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**2. Composition**

| Component                   | CAS No    | EEC No    | Conc w/w | Classification & Risk Phrases | Exp (See 8.1) |
|-----------------------------|-----------|-----------|----------|-------------------------------|---------------|
| Barium sulphate, respirable | 7727-43-7 | 231-784-4 | > 99.5%  | None                          | WEL           |

**3. Hazards Identification**

Not considered harmful

**4. First Aid Measures**

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

**5. Fire Fighting Measures**

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

**6. Accidental Release Measures**

Personal Protection Presents no major hazards.

Enviromental Presents no major environmental hazard.

## 6. Accidental Release Measures (continued)

|                |  |
|----------------|--|
| Major Spillage | Shovel/sweep up into container for removal Wash area down with copious amounts of water. |
| Minor Spillage | Wash area down with copious amounts of water.  |

## 7. Storage & Handling

|                      |   |
|----------------------|---|
| Handling Precautions | Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.<br><br>Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits. |
| Storage Conditions   | Well ventilated, cool, dry storage .  |

## 8.1 Workplace Exposure Limits

|                           |                            |   |     |       |        |
|---------------------------|----------------------------|---|-----|-------|--------|
| Workplace Exposure Limits | Long Term (8hr TWA):       | - | ppm | 4.000 | mg m-3 |
|                           | Short Term (15min Period): | - | ppm | -     | mg m-3 |

## 8.2 Personal Protection

|             |  |
|-------------|--|
| Respiratory | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.                              |
| Hands       | Wear gloves.   |
| Eyes        | Use chemical splash proof glasses or goggles.  |
| Skin        | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |

## 9. Physical & Chemical Properties

|                       |                           |
|-----------------------|---------------------------|
| Appearance            | White crystalline powder. |
| Odour                 | No specific odour.        |
| pH                    | 6 (11% solution)          |
| Boiling point         | Not available             |
| Melting point         | 1350.0 °C                 |
| Flash point           | Not available             |
| Upper Flammable Limit | Not available             |
| Lower Flammable Limit | Not available             |
| Auto Ignition         | Not available             |
| Explosive properties  | No.                       |
| Oxidising Properties  | No.                       |
| Vapour Pressure       | Not available             |
| Relative Density      | 4.4000 °C                 |
| Water Solubility      | Not available             |

## 10. Stability & Reactivity

|                                  |  |
|----------------------------------|--|
| Chemical Stability               | Stable under normal conditions                     |
| Conditions to Avoid              | No specific conditions.                            |
| Materials to Avoid               | No specific materials to avoid.                    |
| Hazardous Decomposition Products | May produce hazardous fumes if involved in a fire. |

## 11. Toxicological Information

|             |  |
|-------------|--|
| Eyes        | Presents no significant health hazard to the eyes. |
| Skin        | Presents no significant hazard by skin contact.    |
| LD50 Skin   | Not available                                      |
| Ingest      | Presents no significant hazard by ingestion.       |
| LD50 Ingest | Rat >20,000 mg/Kg                                  |

## 11. Toxicological Information (continued)

|                      |  |
|----------------------|--|
| Inhalation           | Presents no significant health hazard by inhalation. |
| Carcinogenicity      | Not considered to be a carcinogen.                   |
| Mutagenicity         | Not considered to be a mutagen.                      |
| Reproductive Effects | None identified.                                     |

## 12. Ecological

No specific environmental hazard.

## 13. Disposal Considerations

|                        |                                      |
|------------------------|--------------------------------------|
| Disposal Methods       | Do not dispose of as domestic waste. |
| Contaminated Packaging | Wash out containers with water.      |

## 14. Transport Information

|                      |                |
|----------------------|----------------|
| Proper Shipping Name | Non-restricted |
| UN Number            | Non-restricted |
| UN Classification    | None           |
| Subsidiary Risk      | None           |
| Flash Point          | Not available  |
| Packing Group        | None           |
| Transport Category   | None           |
| Marine pollutant     | No             |
| ADR Hazard ID        | Non-restricted |

## 15. Regulatory Information

|                       |           |
|-----------------------|-----------|
| Labelling             | None      |
| Classification        |           |
| Label Symbols         | None      |
| Risk & safety Phrases | None      |
| EEC Number            | 231-784-4 |

## 16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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