

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

|               |                                                                                       |
|---------------|---------------------------------------------------------------------------------------|
| Chemical name | Barium Sulphate Precipitated                                                          |
| Cat No.       | 012324                                                                                |
| CAS-No.       | 7727-43-7                                                                             |
| M.W.          | 233.39                                                                                |
| EC-No.        | 231-784-4                                                                             |
| Company       | High Purity Laboratory Chemicals Pvt. Ltd.                                            |
| Address       | Plot No. 1902, Fansa Road, G.I.D.C., Sarigam – 396 155, DIST. Valsad, Gujarat (INDIA) |
| Email         | customercare@hplcindia.com                                                            |

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

|                   |                   |
|-------------------|-------------------|
| Component(s)      | -                 |
| CAS No.           | 7727-43-7         |
| Percent           | 97.5-100.5%       |
| Substance/Mixture | Substance         |
| Synonym           | Baryte            |
| Chemical Formula  | BaSO <sub>4</sub> |

## SECTION 3: HAZARDS IDENTIFICATION

This product is not classified as dangerous or hazardous substance/mixture.

## SECTION 4: FIRST AID MEASURES

|              |                                                                                                                   |
|--------------|-------------------------------------------------------------------------------------------------------------------|
| Inhalation   | If breathed in, move victim into fresh air. Keep at comfortable position for breathing. Get medical advice.       |
| Skin contact | Remove contaminated clothes immediately and wash gently with plenty of soap and water. Get medical advice.        |
| Eye contact  | Remove contact lenses, if present. Rinse thoroughly with plenty of water for several minutes. Get medical advice. |
| Ingestion    | Do NOT induce vomiting. Rinse mouth with water. Get medical advice.                                               |

## SECTION 5: FIREFIGHTING MEASURES

|                         |                                                                      |
|-------------------------|----------------------------------------------------------------------|
| Extinguishing media     | Water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Special hazards         | Sulphur oxides, Barium oxide                                         |
| Advice for firefighters | Wear personal protective equipment for firefighting if necessary.    |
| Further information     | No data available                                                    |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

|                                                       |                                                                                                                                                                                                              |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions                                  | Use personal protective equipment (self-contained breathing apparatus). Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition. |
| Environmental precautions                             | Prevent further leakage/spillage. Do not let product enter drains/rivers. Discharge into the environment must be avoided.                                                                                    |
| Methods and materials for containment and cleaning up | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable closed containers for disposal.                                                                                    |

## SECTION 7: HANDLING AND STORAGE

|                   |                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling          | Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. |
| Storage condition | Tightly closed. Dry.                                                                                                                            |

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

|                          |                                                                                                                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering controls     | Ensure adequate ventilation. Install safety shower and eye bath. Good industrial hygiene and safety practice should be followed. Wash hands after handling the product.                                |
| Eye/face protection      | Face shield and safety glasses, if required.                                                                                                                                                           |
| Hand protection          | Handle with gloves. Dispose of contaminated gloves after use. Wash and dry hands.                                                                                                                      |
| Skin and Body Protection | Impervious protective clothing and boots, if required.                                                                                                                                                 |
| Respiratory protection   | Use half or full-face respirator with multi-purpose combination. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and |

approved under appropriate government standards.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                           |                       |
|---------------------------|-----------------------|
| Appearance                | Heavy white powder    |
| Odour                     | Odourless             |
| Odour Threshold           | no data available     |
| pH                        | 3.5-10.0              |
| Melting/freezing point    | 1580 °C               |
| Boiling point/range       | 1600 °C               |
| Flash point               | no data available     |
| Evaporation rate          | no data available     |
| Vapour pressure           | no data available     |
| Vapour density            | no data available     |
| Relative density          | 4.5 g/cm <sup>3</sup> |
| Water solubility          | Insoluble             |
| Auto-ignition temperature | no data available     |
| Decomposition temperature | no data available     |
| Viscosity                 | no data available     |
| Explosive properties      | no data available     |
| Oxidizing properties      | no data available     |

## SECTION 10: STABILITY AND REACTIVITY

|                         |                                             |
|-------------------------|---------------------------------------------|
| Reactivity              | no data available                           |
| Stability               | Stable under recommended storage conditions |
| Incompatibilities       | Aluminum, Phosphorus                        |
| Hazardous decomposition | Sulphur oxides, Barium oxide                |
| Products                |                                             |
| Conditions to avoid     | no data available                           |

## SECTION 11: TOXICOLOGICAL INFORMATION

|                                |                                                                                                                                                               |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity                 | no data available                                                                                                                                             |
| Skin corrosion/irritation      | no data available                                                                                                                                             |
| Serious eye damage/irritation  | no data available                                                                                                                                             |
| Respiratory/skin sensitization | no data available                                                                                                                                             |
| Germ cell mutagenicity         | no data available                                                                                                                                             |
| Carcinogenicity                | IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| Reproductive toxicity          | No data available                                                                                                                                             |
| Specific target organ toxicity | Single exposure: no data available                                                                                                                            |
| Specific target organ toxicity | Repeated exposure: no data available                                                                                                                          |
| Aspiration hazard              | no data available                                                                                                                                             |
| RTECS                          | no data available                                                                                                                                             |

## SECTION 12: ECOLOGICAL INFORMATION

|                         |                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------|
| Ecotoxicity             |                                                                                                                 |
| Toxicity to fish        | static test LC50 - Danio rerio (zebra fish) - > 174 mg/l - 96 h (OECD Test Guideline 203)                       |
| Toxicity to algae       | static test ErC50 - Pseudokirchneriella subcapitata (green algae) - > 100 mg/l - 72 h (OECD Test Guideline 201) |
|                         | static test NOEC - Pseudokirchneriella subcapitata (green algae) - >= 100 mg/l - 72 h (OECD Test Guideline 201) |
| Persistence/degradation | The methods for determining biodegradability are not applicable to inorganic substances                         |
| Environmental           | no data available                                                                                               |

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contaminated packaging or unused product as per local law and regulations. There are many pieces of legislation covering waste disposal and they differ in each state and territory, so each user must refer to laws operating in their area. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.



## SECTION 14: TRANSPORT INFORMATION

|                      |                     |
|----------------------|---------------------|
| UN number            | -                   |
| Proper shipping name | Not dangerous goods |
| Hazard class         | -                   |
| Packaging group      | -                   |
| Marine pollutant     | No                  |

## SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Safety, health and environmental regulations/legislation specific for the substance/mixture:** no data available

## SECTION 16: OTHER INFORMATION

**Product Use:** Laboratory Reagent.

Please read all labels carefully before using product.

*The above information contained herewith is believed to be accurate. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. This document does not represent any guarantee of the properties of the product. HPLC shall not be held liable for any claims, losses, or damages resulting from handling or from contact with the above product.*

