SORBEAD INDIA

Material Safety Data Sheet

MOLECULAR SIEVES

Section 1: Identification of the substance/preparation & company/undertaking	
Substance & Preparation	**Company/undertaking identification**
Product name: Molecular sieve	**SORBEAD INDIA**
Appearance and odorless: Pellets, Beads & Powder	305-306, Prayosha Complex, Chhani Jakat Naka,
Identified Uses : Manufacturer & Supplier	Vadodara-390024, Gujarat, India.
Synonyms: Zeolite, Adsorbent, Desiccant	**Tel:** +91-98-240-50661
Chemical Name:	**Fax:** +91-265-2761142
Chemical Formula:	**E-mail:** sales@sorbeadindia.com
Emergency Telephone Number- 1800-233-2677	**Order Online:** www.sorbeadindia.com

Section 2: Composition and Information on Ingredients

Composition:

Ingredient & CAS No.	% Weight	EC Symbol	EC R-phrases	EC Exposure Limit mg/m^3
Zeolite 1318-02-1	>70	N.E.	N.E.	10(I) 3(R)
Kaolin Clay 1332-58-7	<30	N.E.	N.E.	N.E.

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with EU or national regulations.

Section 3: Hazards Identification

Non-hazardous.

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Section 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 20 minutes. Get medical attention immediately.

Skin contact: In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

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

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention

immediately.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

Section 5: Fire Fighting Measures

Extinguishing media

Suitable environment: Use an extinguishing agent suitable for the surrounding fire.

Special exposure hazards: No specific hazard.

Hazardous thermal: Some metallic oxides.

Decomposition products Special protective

Equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures

Person-related safety precautions: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Measures for environmental protection: Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up: If emergency personnel are unavailable, vacuum or carefully scoop up spilt material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Section 7: Handling and storage

Scoop up spilt material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Handling precautions: Wash thoroughly after handling.

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

Section 8: Exposure controls/personal protection

Provide general and local ventilation to maintain concentrations of air contaminants below recommended standards. Wear eye and respiratory protection.

Exposure limits: (ACGIH= American Conference of Governmental Hygienists; TLV= Threshold Limit Value; OSHA= Occupational Safety and Health Administration (USA); PEL= Permissible Exposure Limit; TWA= Time Weighted Average; STEL= Short Term Exposure Limit; Ceiling= Ceiling Value)

Recommended monitoring procedures:
If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls:

Occupational exposure controls: No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Eye protection: Safety glasses.

Skin protection: Lab coat.

Respiratory protection: A respirator is not needed under normal and intended conditions of product use.

Hand protection: Disposable vinyl gloves.

Hygiene measures: Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. During formulation, follow good industrial hygiene practice.

Environmental exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9: Physical and chemical properties

General information:

Appearance:

Physical state: Solid (ball or strip shape.)
Color: Cream
Odor: Odorless.

Important health, safety and environmental information:

Melting point: Weighted average: 2109.99¡C (3830¡F)
Relative density: 0.68 (Water = 1)
Solubility: Insoluble in cold water, hot water

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Materials to avoid: Reactive with oxidizing materials, moisture and acids.

Section 11: Toxicological information

Potential acute health effects

Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Eye contact: No known significant effects or critical hazards.

Potential chronic health effects

Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Reproductive toxicity: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation: No known significant effects or critical hazards.
Skin: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards
Target organs: Contains material which causes damage to the following organs: lungs, mucous membranes, upper respiratory tract, skin, eye, lens or cornea.

Section 12: Ecological information

Persistence/degradability

Mobility: Not available.

Section 13: Disposal information

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

Hazardous waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Section 14: Transport information

TDGR (Transport of Dangerous Goods Regulations) (Canada): Not classified as a dangerous goods under transport regulations.

CFR 49 (Code of Federal Regulations) (USA): Not classified as a dangerous goods under transport regulations.

IMO (International Maritime Organization): Not classified as a dangerous goods under transport regulations.

ICAO (International Civil Aviation Organization): Not classified as a dangerous goods under transport regulations.

IATA (International Air Transport Association): Not classified as a dangerous good under transport regulations.

Section 15: Regulatory information

Warning symbol: None
Warning word: None
Risk phrases: None
Safety phrases: None
Product use: Classification and labeling have been performed according to EU Directives 67/548/EEC1999/45/EC (including amendments) and the intended use – Industrial applications

Section 16: Other information

Notice to reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.