Material Safety Data Sheet

SILICA GEL WHITE

Section 1: Identification of the substance/preparation & company/undertaking

<table>
<thead>
<tr>
<th>Substance &amp; Preparation</th>
<th>Company/undertaking identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name: Silica Gel White</td>
<td>SORBEAD INDIA</td>
</tr>
<tr>
<td>Appearance: White beads, pouch, powder</td>
<td></td>
</tr>
<tr>
<td>Identification: Manufacturer &amp; Supplier</td>
<td>Vadodara-390024, Gujarat, India.</td>
</tr>
<tr>
<td>Synonyms: Adsorbent, Desiccant</td>
<td>Tel: +91-98-240-50661</td>
</tr>
<tr>
<td>Chemical Name: Silicon DiOxide</td>
<td>Fax: +91-265-2761142</td>
</tr>
<tr>
<td>Chemical Formula: SiO₂</td>
<td>E-mail: <a href="mailto:sales@sorbeadindia.com">sales@sorbeadindia.com</a></td>
</tr>
<tr>
<td>Emergency Telephone Number- 1800-233-2677</td>
<td>Order Online: <a href="http://www.sorbeadindia.com">www.sorbeadindia.com</a></td>
</tr>
</tbody>
</table>

Section 2: Composition and Information on Ingredients

Preparation: Silica Gel White 3% Alumina, 97% Silica, Amorphous

Section 3: Hazards Identification

Most Important Hazards:
- Classification according to the European Directive on Classification of hazardous preparation 1999/45/EC.
- Not regarded as a health or environmental hazard under current legislation.

Specific hazards:
- Spheres; Material is slippery.
- Dust may cause mechanical irritation to eyes and skin.
- Dust may cause irritation of the respiratory tract.
- Handling near flammable gases or vapours.
- Active material adsorbs gases and vapors.
- Risk of static discharges.

Section 4: First Aid Measures

General: Do not breathe dust. Wash hands before breaks and immediately after handling the product. No hazards which require special first aid measures.

Eye contact: Flush with plenty of water if symptoms persist, call a physician.

Skin contact: Wash off immediately with plenty of water. If symptoms persist, call a physician.

Inhalation: Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Ingestion: Drink plenty of water, get medical attention.
**Section 5: Fire Fighting Measures**

- This material will not burn,
- Use media appropriate for surrounding fire.
- Suitable extinguishing media

**Section 6: Accidental Release Measures**

**Personal precautions:** Avoid dust formation. Use personal protective equipment.

**Environmental precautions:** No special environmental precautions required.

**Methods for cleaning up:** Contain spillage. Scoop up or vacuum into a container for reclamation or disposal. Avoid dusting.

**Section 7: Handling and Storage**

**General advice:** Keep containers dry and tightly closed to avoid moisture adsorption and contamination.

**Handling and Storage:** Product on the ground may have a slippery effect. Avoid contact with skin and eyes.

**Section 8: Exposure controls/personal protection**

**Engineering measures:** Ensure adequate ventilation, especially in confined areas.

**Hygiene measure:** Wash hands before breaks and immediately after handling the product.

**Personal Protective:** Safety glasses with side-shields. Lightweight protective equipment clothing.

**Respiratory protection:** Dust: Use approved respiratory protection if exposure limits are exceeded, or overexposure is likely. (Dust filter type P1)

**Protective gloves:** rubber or plastic gloves.

**Ventilation:** Local exhaust ventilation is recommended to control exposures to within applicable limits.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Weight in Product (%)</th>
<th>ACGIH TLV:</th>
<th>EU Occupational Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous Alumino Silica Gel White</td>
<td>100</td>
<td>None Established</td>
<td>4mg/m³ (Inhalable fraction, General dust limit)</td>
</tr>
</tbody>
</table>

**Section 9: Physical and chemical properties**

**From**
- Spherical Beads / Granular of various sizes

**Color**
- Clear with transparent

**Odour**
- None

**Boiling Point, °C**
- 2990-3100 °C

**Melting Point, °C**
- >900-1000 °C

**Bulk Density**
- 450-750 kg/m³

**Vapor Density (Air=1)**
- Not applicable

**Vapor Pressure**
- Not applicable

**Solubility (in water)**
- Insoluble

**pH**
- 4-8

**Flash Point °C**
- Not applicable
Autoignition Temperature, °C  Not applicable
Lower Explosive Limit %  Not applicable
Upper Explosive Limit %  Not applicable

Section 10: Stability and Reactivity Data

**Stability Data:** Stable up to 830 °C. Above this temperature amorphous silica will transform into crystalline silica.

**Conditions/Hazards to avoid:** Handling near flammable gases or vapors. Active material adsorbs gases and vapours. Risk of static discharges.

**Hazardous Decomposition:** Fresh material: None anticipated products
Used material: In case of fire the adsorbed gases and vapors can be set free.

Section 11: Toxicological information

**Information on Components:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Weight % in Product</th>
<th>Acute Toxicity Oral</th>
<th>Acute Toxicity Inhalation</th>
<th>Acute Toxicity Dermal</th>
<th>Acute Toxicity Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica Gel White</td>
<td>100%</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Weight % in Product</th>
<th>IARC</th>
<th>ACGIH</th>
<th>EU Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica Gel White</td>
<td>100%</td>
<td>N³</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

Section 12: Ecological information

**Information on product:**

**Environmental Fate:** No data available to the best of our knowledge

**Mobility:** Not relevant. Insoluble in water

**Persistence/Degradability:** No data available to the best of our knowledge

**Ecotoxicological Information:** No data available.

Section 13: Disposal information

**Disposal of Waste method:** In accordance with local and national regulations.

**Contaminated packaging:** Empty contaminated containers/packing must be handled according to regulations as given for the hazardous properties of the contamination.

**Other Information:** Used product may have different hazards or properties than the original product. This SDS does NOT apply to spent/used product.
Section 14: Transport information

ADR/RID Class: Not Regulated
IMO/IMDG EmS No: Not Regulated
ICAO/IATA ICAO Class: Not Regulated

Section 15: Regulatory information

Europe

Indication of Danger: Not a Dangerous Preparation under current legislation
Category of Danger: None
Risk Phrases: Not applicable
Safety Phrases: Not applicable
Water endangering Class: Not water endangering according to VwVwS of 17may 1999 (German legislation)
Waste Disposal number: For fresh product: 06 08 99 (European waste disposal number)

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.