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Material Safety Data Sheet

SILICA GEL WHITE

Section 1: Identification of the substance/preparation & company/undertaking	
<u>Substance & Preparation</u>	<u>Company/undertaking identification</u>
Product name: Silica Gel White	SORBEAD INDIA
Appearance: White beads, pouch, powder	305-306, Prayosha Complex, Chhani Jakat Naka,
Identification: Manufacturer & Supplier	Vadodara-390024, Gujarat, India.
Synonyms: Adsorbent, Desiccant	Tel: +91-98-240-50661
Chemical Name: Silicon DiOxide	Fax: +91-265-2761142
Chemical Formula: SiO ₂	E-mail: sales@sorbeadindia.com
Emergency Telephone Number- 1800-233-2677	Order Online: www.sorbeadindia.com

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.

Ingredient	Weight in Product (%)	ACGIH TLV:	EU Occupational Exposure Limits
Amorphous Alumino Silica Gel White	100	None Established	4mg/m ³ (Inhalable fraction, General dust limit)

Section 9: Physical and chemical properties

Form	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/m ³
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:

<i>Ingredient</i>	<i>Weight % in Product</i>	<i>Acute Toxicity Oral</i>	<i>Acute Toxicity Inhalation</i>	<i>Acute Toxicity Dermal</i>	<i>Acute Toxicity Other</i>
Silica Gel White	100%	Not Applicable	Not Applicable	Not Applicable	Not Applicable

<i>Ingredient</i>	<i>Weight % in Product</i>	<i>IARC</i>	<i>ACGIH</i>	<i>EU Carcinogenicity</i>
Silica Gel White	100%	N ³	N	N

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.