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Material Safety Data Sheet

SILICA GEL BLUE

Section 1: Identification of the substance/preparation & company/undertaking	
<u>Substance & Preparation</u>	<u>Company/undertaking identification</u>
Product name: Silica Gel Blue	SORBEAD INDIA
Appearance: Blue crystals or beads	305-306, Prayosha Complex, Chhani Jakat Naka,
Identification: Manufacturer & Supplier	Vadodara-390024, Gujarat, India.
Synonyms: Adsorbent, Desiccant, Catalyst	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

Composition: Cobalt Sulfate

Preparation: Silica Gel Blue

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 irritation to eyes and skin, Dust may cause irritation of the respiratory tract, Active material absorbs 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 requires 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 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

Extinguishing media: The product itself does not burn. Standard procedure for chemical fires.

Unusual Fire: Product on the ground may have a slippery effect.

Section 6: Accidental Release Measures

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

Personal Precaution: Avoid dust formation. Use personal protective equipment.

Environmental Precaution: No special environmental precautions required

Section 7: Handling and storage

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

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

Section 8: Exposure controls/personal protection

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Hygiene Measure: Wash hands

Personal Protective Equipment: Safety glasses with side effects. Light weight protective clothing.

Respiratory Protection: Dust: use approved respiratory protection if exposure limits are exceeded or over exposure 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.

<i>Ingredient</i>	<i>Weight % in Product</i>	<i>ACGIH TLV:</i>	<i>EU Occupational Exposure Limits:</i>
Amorphous Alumino Silica Gel Beads	100%	Not Established	4mg/m ³ (Inhalable fraction, General Gust 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
Auto ignition 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 need to avoid: Handling near flammable gases or vapors active material adsorb gases & vapors.
Risk of static discharges

Hazardous: Fresh material: Non anticipated

Decomposition Products: Used material: In case of fire the adsorbed gases and vapors can be set free.

Hazardous decomposition products: None. If used according to specifications.

Hazardous Polymerization: None. Non-corrosive

Section 11: Toxicological information

Information on product:

Chronic Toxicity: Avoid dust information. Prolonged exposure may cause chronic effects.

Potential Health Effects: May result in drying of mucous membranes.

Inhalation: May cause information of the respiratory tract.

Ingestion: May cause stomach discomfort.

Skin Contact: May cause skin irritation, drying.

Eye Contact: Causes eye irritation

Chronic Health Hazards: Prolonged or repeated exposure to dust may cause pulmonary problems.

Information of 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 Blue	100%	N.A.	N.A.	N.A.	N.A.

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

Section 12: Ecological information

Information on Products:

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 packaging must be handled according to regulations as given for the hazardous properties of the contamination.

Other Information: Used product may have different hazards of properties than the original product. This SDS does NOT apply to spent/used product.

Section 14: Transport information

ADR/RID: Not regulated

Class: Not regulated

IMO/IMDG Ems No.: Not regulated

ICAO/IATA: Not regulated

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 Vw Vws of 17 may 1999 (German legislation)

Water Disposal Number: For fresh product: 06 Aug. 1999 (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.