

# Material Safety Data Sheet

## Silica Gel Blue

### 1. IDENTIFICATION THE SUBSTANCE / PREPARATION OF THE COMPANY / UNDERTAKING

**Product Name:** Silica Gel Blue

**Product Use:** Gas or liquid drying, Hydrocarbon drying, Silica gel transformer breathers as per new EC norms, aviation, military industry, high building, powder industry, protection articles & civil area.

#### Company/undertaking identification

**Supplier/Manufacturer:** SORBEAD INDIA  
305-306, Prayosha Complex, Chhani Jakat Naka,  
Vadodara-390024, Gujarat, India.

**Emergency telephone number:** 1800-233-2677

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Preparation:** Silica Gel Blue

**Composition:** Cobalt Sulfate

### 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.

### 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.

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

**Ingestion:** Drink plenty of water, Get medical attention.

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

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

## 5. FIRE-FIGHTING MEASURES

- Extinguishing Media:** The product itself does not burn.  
Standard procedure for chemical fires.
- Do not Use:** Not Applicable
- Unusual Fire:** Product on the ground may have a slippery effect.

## Explosion Hazards

## 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.

## 7. HANDLING AND STORAGE

- General advice:** Keep containers dry and tightly closed to avoid moisture adsorption and contamination.
- Handling & Storage:** Product on the ground may have a slippery effect. Avoid contact with skin and eyes.

## 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 <sup>3</sup> (Inhalable fraction, General Gust Limit)

**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 <sup>3</sup>
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

**10. STABILITY AND REACTIVITY**

<b>Stability Data:</b>	Stable up to 830 °C, above this temperature Amorphous Silica will transform into Crystalline Silica.
<b>Conditions / Hazards: Need to avoid</b>	Handling near flammable gases or vapors Active material adsorbs gases and vapors Risk of static discharges
<b>Hazardous:</b>	Fresh material: Non anticipated
<b>Decomposition Products</b>	Used material: In case of fire the adsorbed gases and vapors can be set free.

**11. TOXICOLOGICAL INFORMATION****Information on product:**

<b>Chronic Toxicity:</b>	Avoid dust information. Prolonged exposure may cause chronic effects.
<b>Potential Health Effects:</b>	May result in drying of mucous membranes.
<b>Inhalation</b>	May cause irritation of the respiratory tract.
<b>Ingestion:</b>	May cause stomach discomfort.
<b>Skin Contact:</b>	May cause skin irritation, drying.
<b>Eye Contact:</b>	Causes eye irritation
<b>Chronic Health Hazards:</b>	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%	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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

## 12. ECOLOGICAL INFORMATION

### Information on Products:

<b>Environmental Fate:</b>	No data available to the best of our knowledge
<b>Mobility:</b>	Not relevant, Insoluble in water
<b>Persistence/Degradability:</b>	No data available to the best of our knowledge
<b>Ecotoxicological Information:</b>	No data available

## 13. DISPOSAL CONSIDERATIONS

**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.

## 14. TRANSPORT INFORMATION

<b>ADR/RID</b>	Not regulated
<b>Class</b>	Not regulated
<b>IMO/IMDG</b>	Not regulated
<b>Ems No.</b>	
<b>ICAO/IATA</b>	Not regulated
<b>ICAO Class</b>	Not regulated

## 15. REGULATORY INFORMATION

### Europe

<b>Indication of Danger:</b>	Not a dangerous preparation under current legislation
<b>Category of Danger:</b>	None
<b>Risk Phrases:</b>	Not applicable
<b>Safety Phrases:</b>	Not applicable
<b>Water Endangering Class:</b>	Not water endangering according to Vw Vws of 17 may 1999 (German legislation)
<b>Water Disposal Number:</b>	For fresh product: 06 Aug. 1999 (European Waste Disposal Number)

## 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.