

# MATERIAL SAFETY DATA SHEET



**sSORB®**



Health	1
Fire	0
Reactivity	0
Personal Protection	E

## Section 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

<p><b>Product Name:</b> sSORB®</p> <p><b>Chemical Name:</b> Silica Gel</p> <p><b>Synonyms:</b> Amorphous Silica</p> <p><b>Emergency Assistance</b></p> <p>USA + 1.847.292.8600</p> <p>Outside USA + 1.847.292.8600</p>	<p><b>Supplier:</b> Interra Global Corporation</p> <p>371 Edgemont Lane</p> <p>Park Ridge, IL 60068</p> <p>USA</p> <p>Telephone: + 1.847.292.8600</p> <p>Fax: + 1.847.292.8601</p>
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## Section 2: COMPOSITION & INFORMATION ON INGREDIENTS

**CAS Number:** 1343-98-2

**Molecular Formula:** SiO<sub>2</sub> · nH<sub>2</sub>O

## Section 3: HAZARDS IDENTIFICATION

**Potential Health Effects**

**Inhalation:** May cause dryness and irritation to mucous membranes, nose and throat. Symptoms may include coughing, sore throat, and wheezing.

**Ingestion:** No adverse effects expected.

**Skin Contact:** May cause irritation with dryness and abrasion.

**Eye Contact:** May cause irritation, redness and pain.

**Chronic Exposure:** Repeated exposure may cause symptoms similar to those listed for acute effects. Synthetic amorphous silica does not produce silicosis.

## 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 15 minutes. Get medical attention if irritation occurs.

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Ingestion:** Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

**Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, get medical attention.

## Section 5: FIRE & EXPLOSION DATA

**Fire:** Not considered to be a fire hazard.

**Explosion:** Not considered to be an explosion hazard.

**Fire Fighting Media and Instructions:** Use any means suitable for extinguishing surrounding fire.

**Special Remarks:** Use protective clothing and breathing equipment appropriate for surrounding fire.

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### Section 6: ACCIDENTAL RELEASE MEASURES

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Use respiratory protection and eye protection.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Vacuuming or wet sweeping may be used to avoid dust dispersal. Use respiratory protection and eye protection.

### Section 7: HANDLING & STORAGE

**Storage:** Keep container tightly closed. Suitable for any general chemical storage area. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses. Lab coat. Respirator (NIOSH Approved). Gloves.

### Section 9: PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Solid	<b>Boiling Point:</b>	2230C (4046F)
<b>Color:</b>	White, Translucent	<b>Melting Point:</b>	1610C (2930F)
<b>Odor:</b>	Odorless	<b>Vapor Pressure:</b>	Not applicable.
<b>Solubility:</b>	Insoluble	<b>Vapor Density:</b>	Not applicable.
<b>Specific Gravity:</b>	2.1 (Water=1)	<b>Evaporation Rate:</b>	Not available.
<b>pH :</b>	3 - 8 (in 5% slurry)	<b>% Volatiles by volume @ 21C (70F):</b>	0

### Section 10: STABILITY & REACTIVITY

**Stability:** The product is stable.

**Hazardous Decomposition Products:** Oxides of carbon and silicon may be formed when heated.

**Hazardous Polymerization:** Will not occur.

**Incompatibility with powerfull oxiders:** Reacts with hydrogen flouoride, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases, and oxidizers.

**Conditions to Avoid:** Moisture, extreme heat, and incompatibles.

### Section 11: TOXICOLOGICAL INFORMATION

**Routes of Entry:** Absorbed through skin. Eye contact. Inhalation. Ingestion.

**Toxicity to Animals:**

**LD50:** Not available.

**LC50:** Not available.

### Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** This material is not expected to be toxic to aquatic life.

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### Section 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Section 14: TRANSPORT INFORMATION

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

### Section 15: OTHER REGULATORY INFORMATION

#### HMIS (U.S.A.):

**Health Hazard:** 1

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** E

#### National Fire Protection Association (U.S.A.):

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

### Section 16: OTHER INFORMATION

**References:** Not available.

**Other Special Considerations:** Not available.

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The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Interra Global Corporation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Interra Global Corporation has been advised of the possibility of such damages.