

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- Product Name/Identifiers: Silica Alumina Gel, sSORB SA
- Producer: Interra Global, 164 S Prospect Ave Park Ridge, IL 60068, USA
- Telephone: +1 (847)292-8600
- Emergency Telephone Number: +1(847)292-8600

2. HAZARD(S) IDENTIFICATION

- Emergency Overview: Caution! May cause irritation to skin, eyes, and respiratory tract.
- Safety Data Rating:
 - Health Rating: 2 – Moderate
 - Flammability Rating: 1 – Slight
 - Reactivity Rating: 1 – Slight
 - Contact Rating: 2 – Moderate
- Lab Protective Equipment: goggles; lab coat; vent hood; proper gloves
- Storage Color Code: green (general storage)
- Potential Health Effects: This product contains synthetic amorphous silica, not to be confused with crystalline silica such as quartz, cristobalite, or tridymite or with diatomaceous earth or other naturally occurring forms of amorphous silica that frequently contain crystalline forms.
 - Ingestion: May cause dryness and irritation to mucous membrane, 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 acute effects. Synthetic amorphous silica does not produce silicosis.
 - Aggravation of Pre-existing Conditions: No information found.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- Description: Silica Alumina Gel
- Dangerous Substance: Not Present
- CAS No.: 112926-00-8

4. FIRST AID MEASURES

- Inhalation: Remove individual to fresh air, Get medical attention for any breathing difficulty.
- Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, get medical attention immediately. Loosen tight clothing such as a collar, tie, or belt.
- Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Thoroughly clean before reuse. Get medical attention if irritation develops.
- Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

5. FIREFIGHTING MEASURES

- Fire: Not considered a fire hazard.
- Explosion: Not considered an explosion hazard.
- Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.
- Special Information: Use protective clothing and breathing equipment appropriate for the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

- Ventilate area of leak or spill.
- Wear appropriate personal protective equipment as specified in Section 8.
- Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

7. HANDLING AND STORAGE

- Keep in a tightly sealed container and stored in a cool, dry, and ventilated area. Protect against physical damage. When pouring into a container of flammable liquid, ground both containers electrically to prevent a static electric spark. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Airborne Exposure Limits: Silica (synthetic, amorphous): - OSHA Permissible Exposure Limit (PEL) - 80/(%SiO₂) mg/m³ (TWA) for amorphous silica, including natural diatomaceous earth.
- Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.
- Personal Respirators: (NIOSH Approved) - If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
- Skin Protection: Wear protective gloves and clean body-covering clothing.
- Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: Solid
- Color: White
- Odor: Odorless
- PH: 3-8 (in 5% slurry)
- Boiling Point/range: 2230°C (4046F)
- Melting Point/range: 1610°C (2930F)
- Solubility: Insoluble (water 20°C)
- Decomposition Temperature: Not applicable.
- Density: 0.5 ~ 0.8g/m³
- Ignition Temperature: Not applicable.
- Vapor Density (Air=1): Not applicable.
- Vapor Pressure (mm Hg): Not applicable.
- Evaporation Rate (BuAc=1): No information found.

10. STABILITY AND REACTIVITY

- Stability: Stable under ordinary conditions of use and storage.
- Hazardous Decomposition Products: Oxides of carbon and silicon may be formed when heated to decomposition.
- Hazardous Polymerization: Will not occur.
- Incompatibilities: Reacts with hydrogen fluoride, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases, and oxidizers.
- Conditions to Avoid: Moisture, extreme heat, and incompatibles.

11. TOXICOLOGICAL INFORMATION

- No LD50/LC50 information found relating to normal routes of occupational exposure.
- Cancer Lists
 - NTP Carcinogen
 - Ingredient: Silica Gel (112926-00-8)
 - Known: No
 - Anticipated: No
 - IRC Category: None

12. ECOLOGICAL INFORMATION

- Environmental Fate: When released into the soil or water, this material is not expected to biodegrade.
- Environmental Toxicity: This material is not expected to be toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

- Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

- Not regulated

15. REGULATORY INFORMATION

- Chemical Inventory Status - Part 1
 - Ingredient: Silica Gel (112926-00-8)
 - TSCA: Yes
 - EC: No
 - Japan: No
 - Australia: Australia
- Chemical Inventory Status - Part 2 – Canada
 - Ingredient: Silica Gel (112926-00-8)
 - Korea: Yes
 - DSL: Yes
 - NDSL: No
 - Phil.: Yes

- Federal, State & International Regulations - Part 1 - SARA 302 - SARA 313
 - Ingredient: Silica Gel (112926-00-8)
 - RQ: No
 - TPQ: No
 - List: No
 - Chemical Catg.: No
- Federal, State & International Regulations - Part 2 - RCRA - TSCA
 - Ingredient: Silica Gel (112926-00-8)
 - CERCLA: No
 - 261.33: No
 - 8(d): No
- Chemical Weapons Convention: No
- TSCA 12(b): No
- CDTA: No
- SARA 311/312: Acute: Yes
- Chronic: Yes
- Fire: No
- Pressure: No
- Reactivity: No (Pure / Solid)
- Australian Hazchem Code: None allocated.
- Poison Schedule: None allocated.
- WHMIS: This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

16. OTHER INFORMATION

- Preparation Date: August 18, 2020
 - Revision Number: 3
 - Revision Date: February 21, 2023
 - Revised By: KT
 - Approved By: JS

16.2 WARRANTY

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