

**Sorb-It Silica Gel Packets**  
Manufacturer MSDS Number:

**SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MSDS Name: Sorb-It Silica Gel Packets  
Distributor Name: Uline Inc.  
Distributor Address: 2200 Lakeside Dr.  
Waukegan, IL 60085  
Distributor Telephone: 1-800-295-5510  
For information in North America, call: 1-800-295-5510  
Manufacturer MSDS Revision Date: September 28, 1998  
Trade Names: Silica Gel, Synthetic Amorphous Silica, Silicon, Dioxide  
Synonyms: Silica Gel, Synthetic Amorphous Silica, Silicon, Dioxide  
Chemical Family: Synthetic Amorphous Silica  
Chemical Formula: SiO<sub>2</sub>.x H<sub>2</sub>O  
HMIS  
Health Hazard: 0  
Fire Hazard: 0  
Reactivity: 0  
Personal Protection: \*  
Manufacturer Name:  
Address:  
Business Phone:  
Business Fax:  
Comments: Sud-Chemie Product Name: Sorb-It® Packaged Desiccant  
Product Codes: S-3904

**SECTION 2 : HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

**Chemical Name** Amorphous Silica

**CAS#** 63231-67-4

OSHA PEL TWA: None  
ACGIH TLV TWA: 5 ppm  
Hazardous: Yes  
Other Exposure Guidelines: ACGIH/TLV PEL – 20 ppm (respirable)  
OSHA Hazard – Irritant  
Composition/Information: Synthetic amorphous silica is 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.  
  
This product is in granular form and packed in bags for use as a desiccant. Therefore, no exposure to the product is anticipated under normal use of this product. Avoid inhaling desiccant dust.

**SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES**

Physical State/Appearance: Granules  
Color: White  
Odor: Odorless  
Melting Point: >1600 Deg C; >2900 Deg F  
Solubility: In Water: Insoluble  
Density: Bulk: >40 lbs./cu. ft.  
Percent Volatile: By Weight @ 1750 Deg F:

**SECTION 4 : FIRE AND EXPLOSION HAZARDS**

Flash Point: Nonflammable.  
Extinguishing Media: Dry chemical, water spray, or foam. For larger fires, use water spray fog or foam.  
Fire Fighting Instructions: Nonflammable solids, liquids, or gases: Cool containers that are exposed to flames with water from the side until well after fire is out. For massive fire in enclosed area, use unmanned hose holder or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of the tank due to fire.  
Unusual Fire Hazards: Negligible fire and explosion hazard when exposed to heat or flame by reaction with incompatible substances.

## SECTION 5 : HEALTH HAZARDS

### Applies to All Ingredients:

#### Potential Health Effects:

Health hazards may arise from inhalation, ingestion, and/or contact with the skin and/or eyes. Ingestion may result in damage to throat and esophagus and/or gastrointestinal disorders. Inhalation may cause burning to the upper respiratory tract and/or temporary or permanent lung damage. Prolonged or repeated contact with the skin, in absence of proper hygiene, may cause dryness, irritation, and/or dermatitis. Contact with eye tissue may result in irritation, burns, or conjunctivitis.

## SECTION 6 : EMERGENCY AND FIRST AID PROCEDURES

#### Eye Contact:

Wash eyes immediately and carefully for 30 minutes with running water, lifting upper and lower eyelids occasionally. Get prompt medical attention.

#### Skin Contact:

Wash with soap and water.

#### Inhalation:

Remove to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

#### Ingestion:

If large amounts have been ingested, give emetics to cause vomiting. Stomach siphon may be applied as well. Milk and fatty acids should be avoided. Get medical attention immediately.

#### Note to Physicians:

This product is a desiccant and generates heat as it adsorbs water. The used product can contain material of hazardous nature. Identify that material and treat accordingly.

## SECTION 7 : REACTIVITY DATA

#### Reactivity:

Silica gel is stable under normal temperatures and pressures in sealed containers. Moisture can cause a rise in temperature which may result in a burn.

## SECTION 8 : PRECAUTIONS FOR SAFE HANDLING

#### Spill Cleanup Measures:

Notify safety personnel of spills or leaks. Clean-up personnel need protection against inhalation of dusts or fumes. Eye protection is required. Vacuuming and/or wet methods of cleanup are preferred. Place in appropriate containers for disposal, keeping airborne particulates at a minimum.

## SECTION 9 : CONTROL MEASURES

#### Ventilation System:

Provide general and/or local exhaust ventilation to keep exposures below the TLV. Ventilation used must be designed to prevent spots of dust accumulation or recycling of dusts.

#### Personal Protective Equipment Routine Handling:

Avoid breathing dust and prolonged contact with skin. Silica gel dust causes eye irritation and breathing dust may be harmful.

#### Eye/Face Protection:

Chemical splash goggles designed in compliance with OSHA regulations are recommended. Consult your safety equipment supplier.

#### Protective Clothing/Body Protection:

Wear protective clothing, including long sleeves and gloves, to prevent repeated or prolonged skin contact.

#### Respiratory Protection:

Provide a NIOSH/MSHA jointly approved respirator in the absence of proper environmental control. Contact your safety equipment supplier for proper mask type.

## SECTION 10 : OTHER INFORMATION

#### HMIS:

Health Hazard:

0

Fire Hazard:

0

Reactivity:

0

Personal Protection:

\*

MSDS Revision Date:

September 28, 1998

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**Comment:**

\* HMIS assigns choice of personal protective equipment to the customer, as the raw material supplier is unfamiliar with the condition of use.

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