



## SAFETY DATA SHEET

### Bulk Silica Gel Desiccant

File No.: 0001  
Date Revised: 05/01/15  
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#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Desiccare Bulk Silica Gel Desiccant  
**CHEMICAL NAME:** Silica Gel

**MANUFACTURER:** Desiccare Inc.  
985 Damonte Ranch Parkway Suite 320  
Reno, NV 89521  
**EMERGENCY PHONE:** 1-909-444-8272  
**CHEMTREC PHONE:** 1-800-262-8200

#### SECTION 2: HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Desiccare Silica Gel Desiccant is in granular, cracked bead and beaded form  
**IMMEDIATE CONCERNS:** The desiccant poses little to no hazard.

##### POTENTIAL HEALTH EFFECTS:

**EYE CONTACT:** May cause irritation, redness and pain  
**SKIN CONTACT:** May cause irritation with dryness and abrasion.  
**INGESTION:** Non-toxic by ingestion.  
**CHRONIC EXPOSURE:** Repeated exposure may cause symptoms similar to those listed for acute effects  
Synthetic amorphous silica does not produce silicosis

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**CAS NUMBER:** 63231-67-4  
**MOLECULAR FORMULA:**  $\text{SiO}_2 \cdot n\text{H}_2\text{O}$

#### SECTION 4: FIRST AID MEASURES

**EYES:** Do not rub eyes. Flush with plenty of water or eye wash solution for 5 minutes. while holding the eyelid open. Get medical attention if irritation persists.

**SKIN:** Wash with soap and water.

**INGESTION:** Drink water to dilute, if large amounts were swallowed, get medical advice.

**INHALATION:** Remove to fresh air. If breathing is difficult, get medical attention.

**SECTION 5: FIRE FIGHTING MEASURES**

**FIRE:** Not considered to be a fire hazard

**EXPLOSION:** Not an explosion hazard

**FIRE FIGHTING MEDIA AND INSTRUCTIONS:** Use any means suitable for extinguishing surrounding fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Use appropriate tools to put the spilled solid in a convenient waste disposal container.

**LARGE SPILL:** Use a shovel, place material in to appropriate container.

**SECTION 7: HANDLING AND STORAGE**

**HANDLING:** Use proper hygiene practices in the workplace

**STORAGE:** Keep tightly closed, store in a dry area.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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

Hazardous Components		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg / m <sup>3</sup>	ppm	mg / m <sup>3</sup>
Silica Gel	8 hrTWA	(1)	(1)	(2)	(2)
OSHA TABLE COMMENTS:					
<sup>(1)</sup> (80 mg/m <sup>3</sup> ) / SiO <sub>2</sub>					
<sup>(2)</sup> 3 mg / m <sup>3</sup> respirable and 10 mg / m <sup>3</sup> inhalable					

**Comments**

All inert or nuisance dusts, whether mineral, inorganic or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is 5 mg/m<sup>3</sup> respirable fraction and 15 mg/m<sup>3</sup> for total dust. ACGIH exposure guidelines of less than 3 mg/ m<sup>3</sup> (respirable) and 10 mg/m<sup>3</sup> (inhalable) have been established for particles (insoluble/poorly soluble) not otherwise specified (PNOS).

Personal Protection suggested for bulk bag handling, unloading bulk bag in a confined space, cleaning up large spills.

**RESPIRATORY PROTECTION:** Good ventilation should be sufficient to control airborne levels.

**EYE PROTECTION:** Safety glasses should be worn.

**SKIN PROTECTION:** Proper hygiene practices in the workplace is recommended.

**WORK HYGIENIC PRACTICES:** Normal work and hygiene practices.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Solid  
**COLOR:** White, Translucent  
**ODOR:** Odorless  
**pH :** 3-8 (in 5% slurry)  
**PERCENT VOLATILE BY VOLUME@ 21C:** 0  
**VAPOR PRESSURE, VAPOR DENSITY:** Not Applicable  
**SPECIFIC GRAVITY:** 2.1 (Water = 1)  
**SOLUBILITY IN WATER:** Insoluble

**SECTION 10: STABILITY AND REACTIVITY**

**STABLE:** The Product is Stable  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**INCOMPATIBILITY WITH POWERFUL OXIDERS:** Reacts with hydrogen fluoride, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases, and oxiders  
**CONDITIONS TO AVOID:** Moisture, extreme heat, incompatibles

**SECTION 11: TOXICOLOGICAL INFORMATION**

**ACUTE: ORAL LD<sub>50</sub>:**  
 Silica Gels are very low in oral toxicity based on comparison to related forms of silica. No adverse effects have been observed in experimental animals following ingestion of any form of amorphous silica.

**CARCINOGENICITY:**

	NTP	IARC	OSHA
Chemical Name	STATUS	STATUS	STATUS
Silica Gel	Not Listed	Not Listed	Not Listed

**SENSITIZATION:** Not Sensitizing

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOTOXICITY:** No known ecological hazards are associated with this product.  
**CHEMICAL FATE INFORMATION:** This material is of mineral origin.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Dispose of according to local, state and federal environmental control regulations,

**SECTION 14: TRANSPORT INFORMATION**

**DOT CLASSIFICATION:** Not a DOT controlled material (United States)

**SECTION 15: REGULATORY INFORMATION**

Not Regulated

**SECTION 16: OTHER INFORMATION**

**HMIS Rating:** 1 Health, 0 Flammability, 0 Physical Hazard, 0 Reactivity

**National Fire Protection Association (USA):** 1 Health, 0 Flammability, 0 Reactivity

**MANUFACTURER DISCLAIMER:** The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.