



SAFETY DATA SHEET

Silica Gel Unit Paks, PillowPaks, Strip Paks, Canisters

File No.: 0001
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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Desiccare Silica Gel Unit Paks, PillowPaks, Strip Paks & Canisters
CHEMICAL NAME: Silica Gel

MANUFACTURER: Desiccare Inc.
3930 W. Windmill Lane, Suite 100
Las Vegas, NV 89139

EMERGENCY PHONE: 1-909-444-8272
CHEMTREC PHONE: 1-800-262-8200

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Desiccare Silica Gel Desiccant Product will vary in size and type of substrate
IMMEDIATE CONCERNS: The desiccant poses little or no hazard.

POTENTIAL HEALTH EFFECTS:

EYES: Route of exposure unlikely, Dust may cause a mechanical irritation which can scratch the eye.

SKIN: No adverse effects expected.

INGESTION: Non-toxic by ingestion. Pillow paks may pose a choking hazard. Keep away from children and pets.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

PRESERVATIVES AND SOLVENTS: None
OTHER GASES AND LIQUIDS: None

Silica Gel CAS Number: 63231-67-4
Formula: SiO₂ · nH₂O
(As Silica Gel 97% to 100%, rest is moisture)

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: Normally not needed. Encourage fluid intake. Seek medical attention if symptoms develop or persist.

INHALATION: Normally not needed. Remove to fresh air. If symptoms of irritation persist, seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

FIRE: Not considered to be a fire hazard

EXPLOSION: Not considered to be an explosion hazard

EXTINGUISHING MEDIA: Use extinguishing agent applicable to surrounding fire.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus operated in pressure-demand mode, (NIOSH approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SMALL SPILL: No special precautions required. Material can also be vacuumed up

LARGE SPILL: With shovel or scoop, place material in to appropriate container.

SECTION 7: HANDLING AND STORAGE

HANDLING: When handling packets to be used in packaging, minimize exposure to ambient moisture conditions. Take what is to be used from the container and reseal the container.

STORAGE: Store in a dry area.Keep container tightly closed until ready to use

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Components		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg / m ³	ppm	mg / m ³
Silica Gel	8 hrTWA	(1)	(1)	(2)	(2)
OSHA TABLE COMMENTS:					
⁽¹⁾ (80 mg/m ³) / SiO ₂					
⁽²⁾ 3 mg / m ³ respirable and 10 mg / m ³ 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/m³ respirable fraction and 15 mg/m³ for total dust. ACGIH exposure guidelines of less than 3 mg/ m³ (respirable) and 10 mg/m³ (inhalable) have been established for particles (insoluble/poorly soluble) not otherwise specified (PNOS).

Personal Protection when handling bulk containers of desiccant fill raw material:

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: 7
PERCENT VOLATILE: Not Applicable
VAPOR PRESSURE, VAPOR DENSITY: Not Applicable
OXIDIZING PROPERTIES: None
SOLUBILITY IN WATER: Insoluble

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable
HAZARDOUS POLYMERIZATION: No
REACTIVITY: Silica Gel when exposed to water will temporarily evolve heat as it adsorbs water .

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE: ORAL LD₅₀:
 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: Silica Gel is not biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of according to local, state and federal regulations, product is non hazardous
RCRA P-Series: None listed
RCRA U-Series: None listed

SECTION 14: TRANSPORT INFORMATION

NOT REGULATED: DOT (Department of Transportation), Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG), Canada Transport of Dangerous Goods
HAZARD CLASS: NA
UN NUMBER: NA

SECTION 15: REGULATORY INFORMATION

NOT REGULATED: SARA Title III, CERCLA, TSCA, California Proposition 65,

SECTION 16: OTHER INFORMATION

HMIS Rating: 1 Health, 0 Flammability, 0 Physical Hazard , A Personal Protection
Personal Protection should be determined based on workplace conditions
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.