

MATERIAL SAFETY DATA SHEET
Indicating Silica Gel

Product Name: Synthetic Indicating Blue Silica Gel
Uses: For dehumidifying air in containers and packaging
Manufacturer: Desiccare, Inc.
211 Industrial Drive, Richland, MS
DOT Hazard Class: N.A.
DOT Shipping Name: N.A.

Section 1 – Material Identification and Information

Components	%	OSHA PEL	ACGIH TLV
Silica Gel (SiO ₂)	>99.0	6 mg/m ³	10 mg/m ³
Cobalt Chloride	<1.0	0.05 mg/m ³	0.05 mg/m ³
Total	100		

Section 2 – Physical/Chemical Properties

Appearance and Odor: Blue or Pink Beads; Odorless
Bulk Density: approximately 0.80 g/cc
Solubility in water: negligible
Boiling Point: N/A
Freezing Point: N/A

Section 3 – Fire and Explosion Hazard Data

Flash Point: N/A
Ignition Temperature: N/A

Fire and Explosion Hazards:

Exposure to water will generate heat and could get hot enough to reach the boiling point of water. Adding enough water to quench the silica gel will reduce the temperature.

Extinguishing Media:

Dry chemical, water fog, foam or carbon dioxide

Fire Fighting Procedures:

Wear full protective clothing and NIOSH approved self-contained breathing apparatus.

Section 4 – Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	N.A.
Incompatibility (Material to Avoid):	Water
Hazardous Decomposition Products:	Oxides of Carbon (CO and CO ₂)
Hazardous Polymerization:	Will Not Occur

Section 5 – Health Hazard Data

May be toxic if accidentally ingested, considered a low hazard (irritant) if it comes in contact with the skin or eyes. Avoid contact with skin and eyes. Wear protective mask if dust present.

Flammability:	Non-combustible
Other Hazards:	Avoid generating and inhaling dust
Ventilation:	Normally, mechanical ventilation is required
Protective Equipment:	Safety glasses, dust masks, rubber gloves

First Aid

Eyes:	Flush eyes with water for approximately 10 minutes while holding eyelids open occasionally. Seek medical attention if irritation or soreness persists.
Inhalation:	Remove from exposure area to fresh air. Seek medical attention if any symptoms persist.
Skin:	First aid is normally not needed. As a precaution, brush powdered material from the skin and wash with soap and water.
Ingestion:	If swallowed, as a precaution, rinse mouth with water. Do not induce vomiting, seek medical attention if any symptoms persist.

Section 6 - Safe Handling Procedures

Storage:	Transport is not regulated. Keep product dry to avoid deterioration. Protect containers against physical damage.
Spillage:	Sweep up and wash down residue with water.
Waste Disposal:	Landfill according to local, state, and federal regulations.
Fire Explosion:	Non-combustible.
Extinguishing:	Not applicable

For further information contact:

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