



DESICCARE, INC.

SAFETY DATA SHEET

Bulk Indicating Silica Gel Desiccant

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Desiccare Blue Indicating Silica Gel Desiccant
CHEMICAL NAME: Blue Indicating Silica Gel (Amorphous)
USE: Desiccant is used to remove humidity from the air. As it adsorbs humidity it changes color from blue to pink. Pink indicates time to change or regenerate desiccant.

MANUFACTURER: Desiccare Inc.
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SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Desiccare Blue Indicating Silica Gel Desiccant (beaded). The beaded product is very low to no dusting when being unloaded.

IMMEDIATE CONCERNS: The desiccant poses little to no hazard when handling bulk.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: May cause irritation, redness and pain
SKIN CONTACT: May cause irritation with dryness. Handling with bare skin, sensitization can occur, classified as a GHS category 1, H317 hazard.
INHALLATION: May cause allergy or asthma symptoms or breathing difficulties if inhaled (classified as a GHS category 1, H334 hazard, inhalation of dust is also classified as a **potential** carcinogen, category 2, H351 hazard. Synthetic amorphous silica does not produce silicosis. To prevent breathing any dust, use respirator if dumping bulk product

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NUMBER: Silica Gel (63231-67-4 > 99.7%, Not Hazardous)
Cobalt Chloride (7646-79-9, < 0.3%, Hazardous)

MOLECULAR FORMULA: $\text{SiO}_2 \cdot n\text{H}_2\text{O} + \text{CoCl}_2$

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 fire.
 Use protective clothing and breathing apparatus appropriate for 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 container tightly closed product adsorbs moisture from the air. 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, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Silica Gel (synthetic amorphous) OSHA Permissible Limit (PEL) 80 mg/m³ Time Weighted Average (TWA)
 Inorganic Cobalt Compounds: ACGIH Threshold Limit Value (TLV) 0.02 mg/m³ As Cobalt, A3 animal carcinogen

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

RESPIRATORY PROTECTION: Use NIOSH respirator if dust could be generated. Good ventilation should be used to control airborne levels.
EYE PROTECTION: Safety glasses should be worn.
SKIN PROTECTION: lab coat if product could be dusty and 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 Beads
COLOR: Blue Color
ODOR: Odorless
pH : 5.5-9 (in 5% slurry)
PERCENT VOLATILE BY VOLUME @ 21C: 0
VAPOR PRESSURE, VAPOR DENSITY: Not Applicable
SPECIFIC GRAVITY: 2.1 (Water = 1)
SOLUBILITY IN WATER: 43.6 gm/100 mls at 0°C (Cobalt Dichloride), Note, 1100 lbs of product contains approx. 3.3 lbs of CoCl₂
 Insoluble (Silica Gel), 1100 lbs of product is approx. 1096.7 lbs of SiO₂

SECTION 10: STABILITY AND REACTIVITY

STABLE: The Product is Stable
INCOMPATIBILITY Reacts with powerful oxidizers and Alkali metals:

CONDITIONS TO AVOID: Moisture, extreme heat, incompatibles

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. No data available for blue indicating gel

CARCINOGENICITY:
IARC Potential carcinogen to humans by breathing Cobalt Dichloride dust Group 2B
Amorphous Silica Gel no adverse effects, not considered carcinogenic Group 3
OSHA No component of this product is identified as a carcinogen or potential carcinogen

REPRODUCTIVE TOXITY No data available
SPECIFIC TARGET ORGAN TOXICITY No data available

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No known ecological hazards are associated with this product.
CHEMICAL FATE INFORMATION: No data available
BIOACCUMALATIVE POTENTIAL No data available

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

DOT CLASSIFICATION: This product is not dangerous
IMDG This product is not dangerous

SECTION 15: REGULATORY INFORMATION

SARA 302 COMPONENTS Not subject to requirements of SARA Title III, Section 302.
SARA 311/312 Potential Chronic Health Hazard from Respirable dust
TOXIC CONTROL SUBSTANCE ACT Listed on the TSCA Inventory, this product complies with all applicable rules under TSCA
CALIFORNIA PROPOSITION 65 COMPONENTS Product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
DOT CLASSIFICATION Not a DOT controlled material

SECTION 16: OTHER INFORMATION

HMIS Rating: 1 Health, 0 Flammability, 0 Reactivity, E Personal Protection

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.