

Indicating Silica Gel

Revision Date: 09/03/08

1. Chemical Product and Company Identification

Common Name: Silica Gel, Kieselgel; Daiso Gel; Amorphous Silica**Chemical Name:** Silica Gel, Silicon Dioxide**CAS No:** 763 1-86-9**Product Use:** Desiccant**Supplier:** Dry Pak Industries, Inc.
16055 Ventura Blvd.#725
Encino, CA 91436
Tel: 818-981-7460

2. Composition/Information on Ingredients

<i>Ingredient</i>	<i>Weight % in Product</i>	<i>Notes</i>
Silica Gel	99%	None
Cobalt Dichloride	0.9 %	

3. Hazards Identification

Color: Clear blue granules or spherical beads**Form:** Granules or spherical beads**Odor:** None**Flash Point, ° C:** Not Applicable**Potential Health Effects:****Inhalation:** May cause irritation to the respiratory tract. Symptoms may include dryness, sore throat and wheezing.**Ingestion:** No adverse health effects are expected.**Skin Contact:** May cause dryness and mechanical irritation.

- Eye Contact:** Large amounts of dust may cause irritation.
- Carcinogenicity:** Possible cancer hazard based on tests with animals. Cobalt Dichloride is an IARC Group 2B Chemical
- Chronic Health Hazards:** Silica Gel does not produce silicosis. Possible cancer hazard.
- Aggravated Medical Conditions:** No information found.

4. First Aid Measures

- Inhalation:** Move person to fresh air. Seek medical attention if necessary.
- Ingestion:** If large quantities are ingested, seek medical advice. Do not induce vomiting
- Skin Contact:** Flush skin with water. If irritation persists seek medical attention
- Eye Contact:** Flush Eyes with water for 15 minutes. If irritation persists seek medical attention.

5. Fire Fighting Measures

- Flash Point, ° C:** Not Applicable
- Autoignition Temperature ° C:** Not Determined
- Lower Explosive Limit, %:** Not Determined
- Upper Explosive Limit, %:** Not Determined
- Extinguishing Media:** Use media appropriate for surrounding fire.
- Fire Fighting Procedures:** Positive pressure, self contained breathing apparatus. Protective clothing.
- Fire and Explosion Hazards:** Not a fire or explosion hazard.

6. Accidental Release Measures

- Spill Procedures:** Contain spillage. Scoop or vacuum into a container for reclamation or disposal. Avoid dusting. Vacuuming or wet sweeping may be used to avoid dust.

7. Handling and Storage

- Keep container closed.
- Store in cool, dry location.
- Avoid Generating or breathing dust.
- Use only with adequate ventilation.

8. Exposure Controls/Personal Protection

<i>Ingredient</i>	<i>Weight % in product</i>	<i>OSHA PEL:</i>	<i>ACGIH TLV:</i>
Silica Gel	99	80 mg/m ³	10 mg/m ³
Cobalt Dichloride	0.9	None listed	0.02 mg/m ³ (as Co)

Personal Protective Equipment: Safety glasses. Wear suitable gloves

Respiratory Protection: Use a NIOSH/MSHA approved respirator as necessary to protect from dust.

Ventilation: General ventilation. Local exhaust ventilation is recommended.

9. Physical and Chemical Properties

Form: Granules or spherical beads

Color: Blue, clear

Odor: None

Specific gravity: 2.1

Solubility (water): Negligible

pH: 3-8 (5% slurry)

Melting Point: 1710 °C

Boiling Point: 2230 °C

10. Stability and Reactivity

Stability Data: Stable

Conditions/Hazards to avoid: None anticipated

Incompatibility: Strong acids, strong bases and oxidizers. Fluoride compounds.

Hazardous Decomposition Products: Oxides of carbon and silicon may be formed when heated to decomposition temperature.

Polymerization: None anticipated

Polymerization-Avoid: None anticipated

11. Toxicological Information

CAS# 763 1-86-9

CAS# 7646-79-9

LD50/LC50

CAS# 763 1-86-9

Draize Test, rabbit, eye: 25 mg/24H Mild;

CAS# 7646-79-9

Oral, mouse: LD50 = 80mg/kg

Oral, rat: LD50 = 80 mg/kg

Oral, rat: LD50 = 418 mg/kg

Carcinogenicity:

CAS# 763 1-86-9: Not Listed by ACGIH, IARC, NTP or CA Prop 65

CAS# 7646-79-9:

ACGIH: A3- Confirmed animal carcinogen with unknown relevance to humans

California: Not listed

NTP: Not listed

IARC: 2B carcinogen (Soluble cobalt(II) salts)

12. Ecological Information

Ecotoxicity: Water flea Daphnia: >1000 mg/L; 24 hrs

Environmental: It is expected have a low potential to affect aquatic life: It is not expected to biodegrade and unlikely to bioconcentrate.

13. Disposal Considerations

US EPA Waste Number: Not regulated

Disposal of Waste Method: Federal, state and local disposal laws will determine the proper waste disposal procedure.

14. Transport Information

International Transport Regulations:

UN/PIN Number: Not Regulated

US Transportation Regulations:

DOT Classification: Not Regulated

Canadian Transportation of Dangerous Goods (TDG):

TDG Classification: Not Regulated.

15. Regulatory Information

This product or its' ingredients are listed on or compliant with the TSCA Inventory

Section 313: This material contains cobalt dichloride, which is subject to the reporting requirements of section 313 of SARA Title III and 40 CFR Part 373

OSHA: None of the chemicals in this product are considered highly dangerous by OSHA

European Union Regulations:

Hazard Symbol: T

Risk Phrases: R 49 May cause cancer by inhalation.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in an aquatic environment

16. Other Information

NFPA Classification

Health: 2

Flammability: 0

Instability: 0

Special Hazards:

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.