

## Material Safety Data Sheet:

### Silica Gel Desiccant

#### \*1 Product / Corporate Identity

Product Name: Silica Gel Desiccant

Spec: blue to pink

Color: blue Indicating (color changes from blue to pink after saturated with moisture)

Application: Dehumidifying, moisture-proof

Protection Experts Australia

Gate 1/11-21 Forge Street, Blacktown NSW 2148, Australia

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#### \*2 Component information

Silicon Dioxide ( $mSiO_2 \cdot nH_2O$ )

Weight percentage : >90%

EINECS No.: 231-545-4

Hazard Mark: S22-S36-S37-S45-S53

CAS No.: 7631-86-9

Index No.: --

Risk Term: R42-R43-R49

Cobalt Chloride( $CoCl_2 \cdot 6H_2O$ )

Weight percentage : >1%

EINECS No.: 231-589-4

Hazard Mark: N,T

CAS No.:7439-89-6

Index No.: --

Risk Term:R22;R42/43;R49;R50/53

Water H<sub>2</sub>O

Weight Percentage: ≤ 9%

EINECSNo.: 215-185-5

Hazard Mark: Xn:Harmful

CAS NO.: 7732-18-5

Index No.:

Risk Term:

#### \*3 Hazard Summary

Category of risk: No data available

Powder may cause discomfort if contacts with eyes or enters into respiratory tract.

Health hazards: No data available

Environmental hazards: No data available

Flammability: not flammable



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### \*4 Emergency Measure

Skin contact: Remove contaminated clothing and rinse skin thoroughly with soapy water and water

Eye contact: Lift eyelids, rinse with running water or saline, seek medical advice.

Inhalation: No data available. Seek medical advice if you feel unwell.

Intake: drink enough warm water to induce vomiting. Go to a doctor.

### \*5 Fire Protection Measure

Flammability: Product itself is nonflammable,

Fire extinguishing agent: No special fire-extinguishing agent needed.

### \*6 Leak Preventive Measures

Preventive measures on the human body after leakage: Avoid contact with dust after the leakage, or directly in the spill dust environment. Personal protective measures about 8.

Environmental impact: The environmental non-toxic, no need of special protection measures.

The spill cleaning: Cleaning bag breaking and leakage, and leakage of dust with a vacuum cleaner to draw.

### \*7 Operation and Storage

Operation: Closed operation, local exhaust, prevent dust release into the air of the workshop. Operators shall be specially trained and strictly abide by the operating procedures. Operators are recommended to wear self-priming filter dust masks, chemical safety protective glasses, rubber acid and alkali resistant protective clothing and rubber acid and alkali resistant gloves. Avoid dust production, avoid contact with sodium and potassium, equipped with leakage emergency treatment equipment. Empty containers may retain harmful substances.

Storage: Storage with cool and ventilated warehouse, principle of fire, heat source. Protect from direct sunlight. The packing must be sealed and protected from dampness. The storehouse should be provided with suitable materials for leakage.

### 8 Contact Controls / Personal Protection

Engineering control: production process airtight, ventilation. Safety showers and eyewash facilities are provided.

Respiratory system protection: wear self-suction filter dust mask.



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Eye Protection: Wear chemical safety goggles

Body protection: wear rubber acid and alkali resistant protective clothing

Hand protection: wear rubber acid-resistant gloves

Other protection: shower and change clothes after operation, pay attention to personal hygiene.

### \*9 Physicochemical Property

Appearance: Spherical or irregular small particles

Color: Blue (color changed to pink after absorbed)

Odor: Odorless

PH Value: 4~8

Melting point: Not applicable

Flammability: Not combustible

Ignition Point: Not applicable

Bulk Density:  $\geq 750 \sim 850 \text{g/L}$

### \*10 Stability and Reactivity

Stability: Stability

Contraindications: hydrogen fluoride, halogen, oxidant

Avoid contact conditions: No data available

Polymerization hazard: no polymerization

Decomposition products: No data available

### \*11 Toxicological information

None toxicological information available.

Experience of use:

Contact with skin may cause skin dehydration and crack.

Dust inhalation may cause respiratory diseases.

### \*12 Ecological Information



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No data

### \*13 Waste Disposal

Waste disposal: Please consult local environment protection department for waste disposal or bury method.

### \*14 Transportation information

Cautions During Transportation:

Do not damage the package by pressing, falling and turning over.

Avoid sunlight and humidity in transit

### \*15 Applicable Law and Regulation

None.

### \*16 Other Information

None.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance.

2023-02-01

