

Safety Data Sheet

CHAPTER 1

PRODUCT AND COMPANY INFORMATION

Product name: Blue Silica gel desiccant

Product use: moisture proof

CAS No.: -

Manufacturer/Supplier:

Company Name: CHING HAI CHEMICAL INDUSTRY CO., LTD

Address: NO. 1197, WENXIN S. RD., DALI DIST, TAICHUNG CITY, 41258 TAIWAN R.O.C.

Tel: 886-424065050

Fax: 886-424180850

CHAPTER 2

HAZARD IDENTIFICATION

EMERGENCY OVERVIEW
Appearance: Blue or pink solid.
Caution! Causes respiratory tract irritation. May cause eye and skin irritation.
Target Organs: -
Potential Healthy Effects
Eye: Dust may cause mechanical irritation.
Skin: Dust may cause mechanical irritation.
Ingestion: May cause irritation of the digestive tract.
Inhalation: Dust is irritating to the respiratory tract.
Chronic: Prolonged or repeated skin contact may cause irritation.

CHAPTER 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance/ Preparation: Preparation

Ingredient	CAS No.	EINECS No.	Conc. [%]	EU Classification
SiO ₂	112926-00-8	231-545-4	>99	
Cobalt Chloride	7646-79-9	231-589-4	<0.1	
Ferric Oxide	13537-24-1	236-908-0	<0.5	R36 R37 R38
Aluminum Oxide	1344-28-1	215-691-6	<0.5	R37
Calcium Oxide	130578-8	215-138-9	<0.5	R22 R36 R38
Sodium Oxide	1313-59-3	215-208-9	<0.5	R8 R14 R35

CHAPTER 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: Treat symptomatically and supportively. Get medical aid.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: None

CHAPTER 5

FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.
Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire.
Flash Point: Not applicable.
Auto ignition Temperature: Not applicable.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 0

CHAPTER 6

ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation.

CHAPTER 7

STORAGE AND HANDLING

Handling: Minimize dust generation and accumulation. Use only with adequate ventilation. Avoid breathing dust.
Storage: Store in a tightly closed container. Store in a dry area.

CHAPTER 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
SiO ₂	none listed	none listed	none listed
Cobalt Chloride	none listed	none listed	none listed
Ferric oxide	TWA: 5 (mg/m ³) from ACGIH [1995]	none listed	none listed
Aluminum Oxide	TWA: 10 (mg/m ³) from ACGIH (TLV) [United States] Inhalation Total.	none listed	TWA: 15(mg/m ³) from OSHA (PEL) [United States] Inhalation Total.
Calcium oxide	TWA: 2 (mg/m ³) from ACGIH (TLV) [United States]	none listed	TWA: 5 (mg/m ³) from OSHA (PEL) [United States]
sodium oxide	none listed	none listed	none listed

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

CHAPTER 9

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance:	Blue or pink solid.
Odor:	odorless
pH:	5.0
Vapor Pressure:	Negligible.
Vapor Density:	Not available.
Evaporation Rate:	Not available.
Viscosity:	Not applicable.
Boiling Point:	Not available.
Freezing/Melting Point:	Not available.
Decomposition Temperature:	Not available.
Solubility:	Insoluble except hydrofluoric acid and strong alkali.
Specific Gravity/Density:	>670 g/L

CHAPTER 10

STABILITY AND REACTIVITY

STABILITY: Stable.
HAZARDOUS DECOMPOSITION PRODUCTS: No data available.
CONDITIONS TO AVOID: Moisture.
INCOMPATIBILITIES WITH OTHER MATERIALS: Strong acids, hydrogen fluoride
HAZARDOUS POLYMERIZATION: Will not occur.

CHAPTER 11

TOXICOLOGICAL INFORMATION

See section 3 for potential health effects.

Toxicity Data:	
No toxicity data have been established for this product. However, toxicity data for ingredients are stated below:	
Ingredient Name	Toxicity Data
SiO ₂	RTECS#: CAS# 112926-00-8: VV7315000 LD50/LC50: Not available.
Cobalt Chloride	LD50: Not available. LC50: Not available.
Ferric oxide	LD50: Not available. LC50: Not available.
Aluminum Oxide	LD50: Not available. LC50: Not available.
Calcium oxide	LD50: Not available. LC50: Not available.
sodium oxide	LD50: Not available. LC50: Not available.

Epidemiology: No Data Available.

Teratogenicity: No Data Available.

Reproductive Effects: No Data Available.

Mutagenicity: No Data Available.

Neurotoxicity: No Data Available.

Other Information: No Data Available.

CHAPTER 12

ECOLOGICAL INFORMATION

No information Available.

CHAPTER 13

DISPOSAL CONSIDERATION

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult National and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

CHAPTER 14

TRANSPORT INFORMATION

ADR/RID	Not regulated as a hazardous material
AND/ADNR	Not regulated as a hazardous material
IMDG	Not regulated as a hazardous material
IATA	Not regulated as a hazardous material

CHAPTER 15

REGULATORY INFORMATION

INVENTORIES	EINECS (EU): Conforms
	TSCA (USA): Conforms
	DSL (Canada): Conforms
	AICS (Australia): Conforms
	ECL (Korea): Conforms

CHAPTER 16

OTHER INFORMATION

Text of R phrases mentioned in Section 2	
R8	Contact with combustible material may cause fire.
R14	Reacts violently with water.
R22	Harmful if swallowed.
R35	Causes severe burns.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R38	Irritating to skin.

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The information in this data sheet is to the best of our knowledge true and accurate, but all data, instructions and/or suggestions are made without guarantee. These statements are solely for the above-mentioned product and should help to take adequate safety precautions.