

CORROGEL CG650 INDUSTRIAL AEROGEL INSULATION

Index

- | | |
|---|--------------------------------|
| 1. Identification | 10. Stability & Reactivity |
| 2. Hazard(s) Identification | 11. Toxicological Information |
| 3. Composition / Information on Ingredients | 12. Ecological Information |
| 4. First-Aid Measures | 13. Disposal Considerations |
| 5. Fire-Fighting Measures | 14. Transportation Information |
| 6. Leakage Emergency Measures | 15. Regulatory Information |
| 7. Handling & Storage | 16. Other Information |
| 8. Exposure Controls / Personal Protection | 17. Disclaimer |
| 9. Physical & Chemical Properties | |

1. Identification

Product identifier:	CG650 Aerogel Insulation Blanket
Safety Data Sheet (SDS):	Version 1002
Manufacturer Name:	Qingdao Cobond Chemical Co., Ltd, China
Distributed By:	CorroBrands, A Kingsmen Company, USA

2. Hazard(s) Identification

Classification:	This product is not listed in the List of Hazardous Chemicals.
Label Elements:	None
Health Hazards:	None
Explosion Hazard:	None
Environmental Hazards:	This product can not cause environmental pollution.

3. Composition / Information on Ingredients

Chemical Name	Percent (weight %)	CAS Number
S102	30-50%	7631-86-9
Glass Fiber	50-70%	65997-17-3

4. First-Aid Measures

Skin Contact:	Product dust can make the skin produce dry feeling, glass fibers can irritate the skin and produce a stinging sensation, which can be severe redness, dermatitis. Take off contaminated clothes and shoes and use soap and wash the skin thoroughly with plenty of water.
Eye Contact:	Product dust can produce dry eyes, glass fiber can irritate the eyes and, in severe cases, cause redness pain. Immediately rinse with plenty of water for more than 15 minutes. If irritation occurs or persists, seek medical attention immediately.
Inhalation:	This product should not be eaten, such as excessive intake, production It may irritate or block the digestive tract. If you feel unwell, seek medical attention immediately.
Ingestion:	This product should not be eaten, such as excessive intake, production It may irritate or block the digestive tract. Move to an environment with fresh air. If you feel unwell, seek medical attention immediately.

5. Fire-Fighting Measures

Hazardous Characteristics:	Product dust can make the skin produce dry feeling, glass fibers can irritate the skin and produce a stinging sensation, which can be severe redness, dermatitis. Take off contaminated clothes and shoes and use soap and wash the skin thoroughly with plenty of water.
Harmful Combustion Products:	Carbon monoxide, carbon dioxide.
Extinguishing Method & Agent:	Spray water, insoluble foam, dry powder, carbon dioxide, sand.

6. Leakage Emergency Measures

Emergency Measure:	The product is insoluble in water, and it is strictly prohibited to use a large amount of domestic water or drainage system discharge, so as not to cause piping system jam up.
Personnel Safety Measures:	Wear chemical protective clothing and dust masks.
Environmental Protection Measures:	Collect leaked materials to avoid polluting the environment and prevent them from entering the sewer.

7. Handling & Storage

Operation Precautions:	Operation should strictly abide by labor health standards, operation personnel should wear the specified dust mask, safety goggles, gloves and other labor protection products, do not powder dust or fiberglass on skin, eyes, or clothing. After the operation is complete, clean it thoroughly. Since aerogel dust is hydrophobic, so when cleaning suggest to use vacuum cleaner.
Storage Precautions:	Store in a flat, cool, ventilated and dry warehouse.

8. Exposure Controls / Personal Protection

Engineering Control:	The production process is fully ventilated to reduce dust as much as possible and provide safe shower and cleaning equipment.
Respiratory Protection:	Wear a dust mask.
Eye Protection:	Wear protective goggles.
Hand Protection:	Wear rubber gloves.
Body Expansion Prevention:	Wear work clothes.

9. Physical & Chemical Properties

Appearance & Properties:	Aerogel insulation blanket.
Flammability:	The product is not classified as flammable.
Main Applications:	Widely used in petrochemical, aerospace, power, shipbuilding, metallurgy, machinery, ceramics, printing and dyeing and other pipelines that require thermal insulation, crude oil storage tanks, various equipment, etc. It is a new type of thermal insulation material.

10. Stability & Reactivity

Stability:	Normal operation, use, transportation, storage is stable.
Prohibited Substances:	Organic solvent.
Conditions to Avoid Contact:	High (low) above maximum (low) operating temperature Heat and fire.
Aggregation Hazard:	No data available.
Decomposition Products:	Carbon monoxide, Carbon dioxide.

11. Toxicology Information (Acute Effects of Exposure)

Inhalation:	Dust may irritate the eyes and skin and bring dry feeling.
Ingestion:	No adverse effects expected, however, do not ingest.
Skin Contact:	Handling may cause dryness and temporary irritation of the skin.
Eye Contact:	Contact may cause irritation with redness and tearing. Dust may cause abrasive injury.
Chronic Effects:	None known.
Sensitization:	Components are not known to be sensitizers.
Germ Cell Mutagenicity:	None of the components have been shown to cause germ cell mutagenicity.
Reproductive Toxicity:	Components are not reproductive toxins.
Carcinogenicity:	None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA. The International Agency for Research on Cancer (IARC) considers synthetic amorphous silica and continuous filament fiber glass to be not classifiable as to carcinogenicity to humans (Group 3).
Acute Toxicity Values:	Components are not acutely toxic.

12. Ecological Information

Ecotoxicity Values:	No data is available.
Persistence & Degradability:	No data is available.
Bioaccumulative Potential:	No data is available.
Mobility in Soil:	No data is available.
Water Effect:	Not hazardous for water.
Other Adverse PBT & vPvB Assessment:	PBT, not applicable; vPvB, not applicable.
Other Effects:	None known.

13. Disposal Considerations

Disposal:	Dispose of materials in accordance with federal, state / provincial, and local regulation. Cover to avoid dust generation. This product is not regulated as a hazardous waste.
-----------	--

14. Transportation Information

UN Number — DOT, IMDGA, IATA:	Not regulated.
UN Shipping Name — DOT, IMDG, IATA:	Not regulated.
Transport hazard classes — DOT, ADN, IMDG, IATA:	Not regulated.
Packing Group — DOT, IMDG, IATA:	Not regulated.
Environmental hazards:	Not applicable.
Special Precautions for User:	None known.
Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
UN Model Regulation:	Not regulated.

15. Regulatory Information

Health, safety & environmental regulations/legislation specific for the substance or mixture Superfund Amendments and Reauthorization Act (SARA).

SARA / Section 355 — Extremely Hazardous Substances:	None of the ingredients are listed.
SARA / Section 313 — Specific Toxic Chemical Listings:	None of the ingredients are listed.
TSCA — Toxic Substances Control Act:	Ingredients listed or exempt.
Hazardous Air Pollutants:	None of the ingredients are listed.
Proposition 65 — Chemicals known to cause cancer:	None of the ingredients are listed.
Proposition 65 — Reproductive toxicity for females:	None of the ingredients are listed.
Proposition 65 — Reproductive toxicity for males:	None of the ingredients are listed.
Proposition 65 — Developmental toxicity:	None of the ingredients are listed.
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

16. Other Information

Compilation & Revision Information:	This version is the 1001st edition, prepared in accordance with GB/T 16483-2008, GB/T 17519-2013, and GB 30000 series classification standards.
Abbreviations & Acronyms (CAS):	CAS login number.
MAC (Maximum Allowable Concentration):	Refers to the concentration of toxic chemicals that should not be exceeded at any time within a working day at a workplace.
PC-TWA (Permissible Concentration Time Weighted Average):	Refers to the average allowable exposure concentration for an 8-hour working day and a 40 hour working week, with time as the weight.
PC-STEL (Permissible Concentration Short Term Exposure Limit):	Refers to the concentration that is allowed to be exposed for a short period of time (15 minutes) while complying with PC-TWA.

17. Disclaimer

Disclaimer:	The information in this SDS is only applicable to the specified product, and is not applicable to mixtures of this product with other substances, unless otherwise specified. This SDS only provides information on product safety for users who have received appropriate professional training. The user of this SDS must make an independent judgment on its applicability. The author of this SDS shall not be held responsible for any harm caused by the use of this SDS.
-------------	---

