

Material Safety Data Sheet

1. Product and Company Identification

1.1. Product Name: ConfiaAd® Quartz Surfaces

1.2. Company

1) Name: Jin Gwang Industries Co., Ltd.

2) Address: 11-13, Maejari-gil, Opo-eup, Gwangju-si, Gyeonggi-do, 12798, Korea

3) Emergency telephone: +82-31-767-8441

※ E-mail address of the competent person responsible for the Material Safety Data Sheet : confiad@confiad.com

2. Hazards identification

ConfiaAd® Quartz Surface is not hazardous. However, operations such as sawing, routing, drilling and sanding can generate dust.

High concentrations of dust can irritate eyes, nose and respiratory tract and cause coughing and sneezing.

Dust generated during handling of this product can contain particles of crystalline silica.

Over exposure to airborne crystalline silica can cause silicosis, symptoms of which include difficulty in breathing, wheezing, coughing, and impairment of lung function.

3. Composition/information on ingredients

Component	Percentage (%)	CAS Number
Quartz	87~93	14808-60-7
Resin	7~10	
Other Additives	0~3	

4. First aid measures

4.1. General advice: Never give anything by mouth to an unconscious person.

4.2. Eye contact: In case of contact with dust, rinse thoroughly with large amounts of water at least 15 minutes.

4.3. Skin contact: Not Applicable

4.4. Inhalation: If large amounts of dust are inhaled, move to fresh air.

4.5. Ingestion: Not Applicable

4.6. Most Important Symptoms and Effects, Acute and Delayed

: Symptoms of silicosis include coughing, difficulty breathing, wheezing and progressive impairment of lung function

5. Firefighting measures

5.1. Flammable Properties: Non-flammable

- 1) Flash Point: Not Applicable
- 2) Auto-ignition Temperature: Not Applicable

5.2. Extinguishing media: Water spray, dry powder, carbon dioxide(CO₂), foam

6. Accidental release measures

Review “**Firefighting measures**” and “**Handling and storage**” sections before proceeding with clean-up.
Use appropriate personal protective equipment during clean-up.

7. Handling and storage

7.1. Handling

- 1) Unloading/Moving

Since ConfAd® Quartz Surface is very heavy, it must be unloaded and moved by proper handling equipment.

- 2) Machining

Do not breathe dust. Do not breathe fumes generated during processing. Minimize dust generation and accumulation. If fabricators generate dust, make sure to proceed to the job at the well ventilated area only.

7.2. Storage

Store in a cool and well-ventilated area. Avoid exposure of direct sunlight.

8. Exposure controls/personal protection

8.1. Engineering controls

Provide for appropriate exhaust ventilation and dust collection at machinery.

※ Exposure Limits

Component	ACGIH American Conference of Governmental Industrial Hygienists	NIOSH National Institute for Occupational Safety and Health	OSHA Occupational Safety and Health Administration
Silica, Crystalline(Quartz)	0.02 mg/m ³ TWA (Respirable Fraction)	0.05 mg/m ³ TWA (Respirable Fraction)	Respirable: 0.1 mg/m ³ TWA Total Dust: 0.3 mg/m ³ TWA

8.2. Personal protection

- 1) Respiratory protection

: In case of insufficient ventilation, wear appropriate respiratory equipment in compliance with local regulations.

- 2) Hand protection: Wear protective gloves.
- 3) Eye protection: Wear safety goggles or face-shield.
- 4) Others: Safety shoes are recommended whenever handling large pieces of the sheet.
Ear protection may be required during machining operations.

9. Physical and chemical properties

- 9.1. **Appearance:** Solid
- 9.2. **Color:** Varies
- 9.3. **Odor:** None
- 9.4. **pH:** Not Applicable
- 9.5. **Water Solubility:** Insoluble
- 9.6. **Boiling Point:** Not Applicable
- 9.7. **Melting Point:** Not Applicable
- 9.8. **Specific Gravity:** 2.3~2.5 g/cm³
- 9.9. **Vapor Pressure:** Not Applicable
- 9.10. **Vapor Density:** Not Applicable
- 9.11. **Flash Point:** Not Applicable
- 9.12. **Ignition Temperature:** Not Applicable
- 9.13. **Explosion Limit:** Not Applicable

10. Stability and reactivity

- 10.1. **Stability:** Stable at normal temperatures and storage conditions.
- 10.2. **Conditions to avoid:** Extreme heat, spark and fire
- 10.3. **Hazardous decomposition products:** N/A
- 10.4. **Polymerization:** Polymerization will not occur in solid state.

11. Toxicological information

- 11.1 **Acute toxicity:** Not classified
- 11.2 **Skin corrosion/irritation:** Not classified
- 11.3 **Eye corrosion/irritation:** Not classified
- 11.4 **Respiratory or skin sensitization:** Not classified
- 11.5 **Germ cell mutations:** Not classified
- 11.6 **Carcinogenicity**

Material	IARC group	National Toxicology Program (NTP)
Quartz (14808-60-7)	1 (Carcinogenic to humans)	2 (Known Human Carcinogens)

- 11.7 **Reproductive toxicity:** Not classified
- 11.8 **Specific target organ toxicity (single exposure):** Not classified



JIN GWANG INDUSTRIES CO., LTD.

ConfAd® Quartz Surfaces

Revision No. 1
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Page No. 4 / 4

11.9 Specific target organ toxicity (repeated exposure): Not classified

11.10 Aspiration hazard: Not classified

12. Ecological information

This product has no known ecotoxicological effects.

13. Disposal considerations

Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

U.S. Federal Regulations

TSCA Inventory Status: In compliance with TSCA Inventory requirements for commercial purposes.

16. Other information

Note for users

The information contained in the present sheet is based on our own knowledge, information and belief at the date of the last version. The information given relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process.