

## Material Safety Data Sheet

### 1. Product and Company Identification

**1.1. Product Name:** ConfiaAd® Solid Surface

**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](mailto:confiad@confiad.com)

### 2. Hazards identification

ConfiaAd® Solid 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.

ConfiaAd® Solid Surface does not emit gas at room temperature. At higher temperature, small amounts of methyl methacrylate can be released. The amounts depend on temperature, time and other variables. Methyl methacrylate vapors can irritate eyes, skin, nose and respiratory tract and cause allergic skin rashes. Over exposure to the vapors can cause headache, nausea, weakness and lung irritation with cough, discomfort and shortness of breath. Individuals with pre-existing lung or skin problems may have increased susceptibility to the effects of over-exposure to methyl methacrylate.

### 3. Composition/information on ingredients

Component	Percentage (%)	CAS Number
Polymethyl methacrylate (PMMA)	38~42	9011-14-7
Aluminum Tri-Hydroxide (ATH)	57~62	21645-51-2
Other Additives	0.5~1.5	

### 4. First aid measures

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

**4.2. Skin contact:** Not Applicable

**4.3. Inhalation:** If large amounts of dust are inhaled, or exposed to fumes from overheating, move to fresh air.

**4.4. Ingestion:** Not Applicable

## 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(CO<sub>2</sub>), 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

: Sheets should be unloaded with a forklift of other lifting device capable of handling pallets safely.

If a lifting device is not available, always carry single sheet in the vertical position, and wear heavy-duty protective gloves and proper safety shoes. Carrying should be done by two people facing each other on short sides with one hand under to support and the other hand on top to control the sheet.

#### 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

Keep the product flat and evenly supported in a dry and well-ventilated indoor area.

## 8. Exposure controls/personal protection

### 8.1. Engineering controls

Provide for appropriate exhaust ventilation and dust collection at machinery.

### 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:** 1.6~1.8
- 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
- 10.4. **Hazardous decomposition products:** Carbon monoxide, methyl methacrylate, and smoke
- 10.5. **Polymerization:** Polymerization will not occur in solid state.

## 11. Toxicological information

This product has no known adverse effect on human health.

## 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.



JIN GWANG INDUSTRIES CO., LTD.

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## 15. Regulatory information

### U.S. Federal Regulations

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

## 16. Other information

### Additional Information

Do not use in medical applications involving permanent implantation in the human body.

### 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.