

# SAFETY DATA SHEET

ALUCOSIGN FR SDS-001  
Rev. Date: 01-02-2021



## SECTION 1 – PRODUCT IDENTIFICATION

**Product Name:** Aluminum Composite Panel  
**Trade Name:** ALUCOSIGN® FR  
**Chemical Formula:** N/A  
**CAS No.:** N/A  
**Manufacturer:** ALUCOPANEL Middle East L.L.C.  
Plot No. TP010105 B, P.O Box 18022  
National Industries Park, Dubai, UAE  
**Contact No. / Email:** +971 4 8807939 / info@alucopanel.net  
**Product Use:** Cladding, Signage, Building Material

## SECTION 2 – HAZARD IDENTIFICATION

Alucopanel® product is not considered as health hazard in the form in which they are sold. However, dust and fumes can be generated during process of welding, melting and cutting which can be considered as hazardous and may cause irritation of eyes, skin and upper respiratory tract. Contact with molten polymer can cause thermal burns. Combustion of the coatings can generate toxic and irritating gases.

## POTENTIAL HEALTH EFFECTS

The following health effects are not likely to occur unless sawing or cutting generates dust or unless polymer is heated to melting.

**Eyes:** Can cause irritation.

**Skin:** Can cause irritation. Contact with molten polymer can cause thermal burns.

**Inhalation:** Slight irritation of respiratory tract.

**Ingestion effects:** ND

**Carcinogenicity:** N/A

**Medical Conditions Aggravated by Long-term Exposure:**  
Accumulation of dust in the respiratory system may cause moderate congestion.

## SECTION 3 – CHEMICAL COMPOSITION

INGREDIENT	CAS NUMBER	% COMPOSITION
Aluminum	7429-90-5	20
Inorganic Fillers	N/A	75
Fluoro polymer coating	N/A	2.5
Adhesive Film	N/A	2.5

## SECTION 4 - FIRST AID MEASURES

**Eyes:** Dust from processing: Flush eyes with plenty of water or saline for at least 15 minutes. Consult a physician.

**Skin:** Dust from processing: Wash skin with soap and water for at least 15 minutes. Consult a physician if irritation persists.

**Molten polymer:** If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel material from skin. Get medical treatment for thermal burns.

**Inhalation:** Dust from processing: Remove to fresh air. If unconscious or severely injured, check for clear airway, breathing and presence of pulse. Perform CPR if there is no pulse or respiration.

## SECTION 5 - FIRE FIGHTING MEASURES

### Flammable/Combustible Properties

This product does not present fire or explosion hazards as shipped. Small chips, turnings, dust and fines from processing may be readily ignitable.

### Extinguishing Media

Dry chemical powder, foam, carbon dioxide

### Unsuitable Extinguishing Media

DO NOT USE:

- Halogenated agents on small chips, dusts or fines.
- Water around molten metal.

These agents will react with the burning material.

### Fire Fighting Equipment/Instructions

Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Small/Large Spill

Collect scrap for recycling. If molten: Contain the flow using dry sand or salt flux as a dam. Do not use shovels or hand tools to halt the flow of molten aluminum. Allow the spill to cool before re-melting as scrap.

## SECTION 7 - HANDLING AND STORAGE

Store in a flat dry area.

Avoid contact with sharp edges or heated material. Hot and cold aluminum are not visually different. Hot aluminum does not necessarily glow red.

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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Personal Protective Equipment Respiratory Protection

If dust is generated through processing: Use NIOSH-approved respiratory protection as specified by an Industrial Hygienist or other qualified professional.

**Eye Protection:** Wear safety glasses/goggles to avoid eye injury.

**Skin Protection:** Wear appropriate gloves to avoid any skin injury.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid panels
<b>Appearance:</b>	Various colors
<b>Boiling Point:</b>	Not applicable
<b>Melting Point:</b>	Aluminum: 900-1200°F (482-649°C); Polymer ~220°F (~104°C)
<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Density:</b>	Not applicable
<b>Specific Gravity:</b>	See Density
<b>Solubility in Water:</b>	None
<b>pH Level:</b>	Not applicable
<b>Density:</b>	Range: generally 1.10-2.27 g/cm <sup>3</sup> (0.040-0.075 lb/in <sup>3</sup> )
<b>Odor:</b>	Odorless Odor
<b>Threshold:</b>	Not applicable

## SECTION 10 - CHEMICAL STABILITY & REACTIVITY INFORMATION

### Stability

Stable under normal conditions of use, storage, and transportation as shipped

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Polymerization:	N/A
Hazardous Decompositions:	N/A
Chemical Incompatibilities:	N/A

## SECTION 11 - TOXICOLOGICAL INFORMATION HEALTH EFFECTS OF INGREDIENTS

### A: General Product Information

No information available for product.

## SECTION 12 - ECOLOGICAL INFORMATION ECOTOXICITY

### A: General Product Information

No information available for product.

## SECTION 13 - DISPOSAL CONSIDERATIONS / DISPOSAL INSTRUCTIONS

Reuse or recycle material whenever possible. For disposal, characterize material in accordance with guidance under "US EPA Waste Number & Descriptions" and dispose of at an industrial landfill or other facility permitted to manage such material.

Contact your local supplier or a licensed contractor for detailed disposal recommendations. Follow applicable federal state, and local regulations.

## SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name:	Not regulated
Hazard Class:	-
UN NA Number:	-
Packing Group:	-
RQ:	-
Other - Tech Name:	-
Other - Marine Pollutant:	-

## SECTION 15 - OTHER INFORMATION DISCLAIMER

The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this SDS was prepared. The information above is provided on the condition that parties receiving the product make their own determination as to the suitability of the product for their particular purpose and assume the risk of use of the product. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. We have no Responsibility or liability for any damage or injury resulting from abnormal use or from any failure to adhere to recommended procedures. We neither grant, nor shall the party receiving the product imply any authorization to practice any patented invention without a license.

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