

# SAFETY DATA SHEET

**Product name :** ALUMANATE®  
**Date of issue :** 02.01.2015  
**Printed :** 11.01.2017

**Version : 1**



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## 01. Identification of the substance/preparation and company/undertaking

**Name of substance / preparation:** Aluminum Composite panel ALUMANATE®

**Commercial product name:** Aluminum Composite panel ALUMANATE®

**Use of substance / preparation:** Composite Material for Display Applications. Signs, Digital printing, Vinyl wrapping and Photo mounting

**Manufacturer:** ALUMANATE LLC

**POB-No.:** N/A

**State/postal code/city:** CALIFORNIA / 92705 / SANTA ANA

**Phone / Fax / E-Mail:** (657) 205-6820 / [info@alumanate.com](mailto:info@alumanate.com)

**Emergency telephone:** (657) 205-6820 (Monday to Friday 8am to 5pm)

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## 02. Hazards identification

**Classification:**

Product must not be classified according to EG-Directive 1999/45/EG.

**Further hazards to man and environment:**

By the intended use of the material there is no danger for health and environment is expected.

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## 03. Composition/information on ingredients

**Chemical characteristics:**

Composite panel consist of two aluminum-coversheets and a polyethylene middle layer.

**Hazardous ingredients:**

not applicable.

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## 04. First-aid measures

**General information:**

It is a solid material when used for the intended application. No product related accidents or illnesses are known. No special measures required.

**Inhalation:**

Not applicable.

**Skin:**

Not applicable.

**Eye:**

Not applicable.

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**Ingestion:**  
Not applicable.

**Additional First Aid Information:**  
Not applicable.

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## 05. Firefighting measures

**Suitable extinguishing media:**  
Water spray, foam, carbon dioxide.

**Extinguishing media which must not be used for safety reasons:**  
Not applicable.

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**

Hazardous combustion products: carbon dioxide (CO<sub>2</sub>) and carbon monoxide (CO). Gases can be toxic and irritating when the material is burning.

**Special protective equipment for firefighting:**  
Use respiratory protection independent of recirculated air.

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## 06. Accidental release measures

**Personal precautions:**  
Use personal protective equipment.

**Environmental precautions:**  
No special requirements.

**Methods for cleaning up:**  
Collect material for recycling.

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## 07. Handling and storage

**Handling precautions:**  
Use gloves when working with the material. Avoid dust formation.

**Precautions against fire and explosion:**  
Not applicable.

**Storage Requirements:**  
Store material protected against moisture.

**Further information for storage:**  
not applicable.

**Storage classification VCI :** 13

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## 08. Exposure controls and personal protection equipment

**Exposure limits:**  
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**Exposure limited and controlled:**

Not applicable.

**Personal protection equipment:**

**Respiratory protection:**

In case of dust formation: fine dust mask P2.

**Hand protection:**

Use gloves while handling the material.

**Eye protection:**

Recommendation: protective goggles.

**Skin protection:**

Not required.

**Exposure to the environment limited and controlled:**

Not applicable.

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## 09. Physical and chemical properties

**09.1 Appearance:**

|                        |           |
|------------------------|-----------|
| Physical state / form: | Solid     |
| Color:                 | Different |
| Odor:                  | Odorless  |

**09.2 Important information about the protection of health, safety and the environment**

**Method:**

|                                       |   |
|---------------------------------------|---|
| <b>Danger of explosion:</b>           | The product is not explosive.   |
| <b>Lower explosion limit (LEL):</b>   | not applicable.   |
| <b>Upper explosion limit (UEL):</b>   | not applicable.   |
| <b>Vapor pressure:</b>                | not applicable.   |
| <b>Density:</b>                       | Approximately 0.28 – 0.65 (g/cm <sup>3</sup> ) depending on the thickness of the panel. |
| <b>Water solubility:</b>              | Insoluble.  |
| <b>pH-Value:</b>                      | not applicable.   |
| <b>Boiling point / boiling range:</b> | not applicable.   |
| <b>Melting point / melting range:</b> | not applicable.   |
| <b>Flash point:</b>                   | not applicable.   |
| <b>Ignition temperature:</b>          | not applicable.   |

**09.3 Other information:**

|                               |   |
|-------------------------------|---|
| <b>Thermal decomposition:</b> | Decomposition begins at temperatures > 360°C. |
|-------------------------------|---|

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## 10. Stability and reactivity

**General information:**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

**Conditions to avoid:**

Temperatures > 80°C

**Materials to avoid:**

Acids and bases: chemical reactions can release flammable, explosive hydrogen.

**Hazardous decomposition products:**

Burning of the coating can release toxic and irritating gases.

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## 11. Toxicological information

### General information:

According to present experience, the material is physiologically compatible.

### Toxicological tests:

Not applicable.

### Experience with man:

By handling the product for many years no damage of health and environment was observed.

### Further toxicological information:

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## 12. Ecological information

### Ecotoxicity:

The product has not been analyzed.

### Mobility:

Not applicable.

### Persistence and degradability:

The product is stable if used under regular circumstances.

### Biodegradations / further information:

Biologically not degradable.

### General information:

According to present knowledge no adverse influence to environment expected.

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## 13. Disposal considerations

### Recommendation:

Taking back by the fabricator possible. If recycling is not possible observe local/state/federal regulations when material is disposed.

### Uncleaned packaging:

If recycling is not possible observe local/state/federal regulations when material is disposed.

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## 14. Transport information

### Land transport ADR/RID:

#### Road ADR:

Valuation: Not regulated for transport.

#### Railway RID:

Valuation: Not regulated for transport.

### Transport by sea IMDG-Code:

Valuation: Not regulated for transport.  
Marine Pollutant: no.

### Air transport ICAO-TI/IATA-DGR:

Valuation: Not regulated for transport.

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## 15. Regulatory information

**Warning Label (EC):**

**R-phrases:**  
Not applicable.

**S-phrases:**  
Not applicable.

**National regulations:**  
National and local regulations must be observed.

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## 16. Other information

The product (s) itself contains no dangers for health and environment. Dangers in the industrial applications can only arise through mechanical processing (edging, milling, drilling, etc.) due to dust, shavings and sharp edges.

**Further information:**

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

**Changes compared to the last issue:**

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**Datasheet issued by:**  
ALUMANATE LLC  
Department for health and safety.

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