## Section I  Product Identification

**Manufacturer:** 3A Composites USA, Inc.  
208 W. 5th Street, P.O. Box 507  
Benton, KY 42025  
(270) 527-4200  

**Emergency Phone Number:** 1-800-424-9300 Chemtrec  
To be used only in the event of chemical emergencies involving a spill, leak, fire, and exposure accidents involving chemicals.

**Trade Name:** Alucobond Plus®  
**Synonym:**

## Section II  Hazard Identification

Alucobond Plus® is defined as an article under the OSHA Hazard Communications standard. The standard applies to “chemicals” but it does not apply to any substance, which is an “article”. The term “article” is defined in the OSHA warning rule, as a manufactured item: 1) which is formed to a specific design during manufacture, 2) which has end use function(s) dependent in whole or in part upon its’ shape or design use during end use, and 3) which does not release, or otherwise result in exposure to hazardous chemical under normal conditions of use.

## Section III  Chemical Composition

<table>
<thead>
<tr>
<th>Ingredients (Common Name)</th>
<th>CAS Number</th>
<th>Percent (%) by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inorganic Fillers</td>
<td>None</td>
<td>42 to 49</td>
</tr>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>30 to 45</td>
</tr>
</tbody>
</table>

## Section IV  First Aid Measures

This product is not considered to be a health hazard in the form in which they are sold (sheet, panel). However, if these products are abraded, melted, welded, cut or processed in any manner that causes release of fumes or dusts, hazardous levels of fumes or dusts may be generated from this product.

If contact with skin or eyes, wash immediately under water for at least 15 minutes.  
For inhalation exposure, remove to fresh air.  Contact a physician.

## Section V  Fire Fighting Measures
Extinguishing media: Water, foam, CO₂, dry chemical powder
Special firefighting procedure: self-contained breathing apparatus should be worn.
Thermal decomposition: May produce water, carbon monoxide, carbon dioxide, and smoke upon combustion

Section VI  Accidental Release

A release should not occur. However, if this product is abraded, melted or cut, dusts may be generated. Should a release of dusts occur, contain by blocking routes to surface water and grassy areas. Clean up by sweeping and depositing into a closed container.

PPE Requirements: Safety glasses, dust respirator and gloves.

Section VII  Handling and Storage

Storage and handling precautions: Store in a flat dry area
Exercise caution in handling all edges.

Section VIII  Exposure Controls

These products are not considered to be a health hazard in the form in which they are sold (sheet, panel). However, if these products are abraded, melted, welded, cut or processed in any manner that causes release of fumes or dusts, hazardous levels of fumes or dusts may be generated from these materials or constituents of these materials. Aluminum fumes or dust are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA Exposure Limit</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Respirable</td>
</tr>
<tr>
<td>Inorganic Fillers</td>
<td>10mg/m³</td>
<td>5mg/m³</td>
</tr>
<tr>
<td>Aluminum</td>
<td>15mg/m³</td>
<td>5mg/m³</td>
</tr>
</tbody>
</table>

Effects of overexposure:

Acute: Physical irritation of the eyes may result from overexposure to high concentrations of dust from certain fabricating operations.

Chronic: Repeated long term inhalation of high concentrations of respirable dust may cause inflammation of the upper and lower respiratory tract.
Safety Data Sheet
Alucobond® Plus

Section IX  Physical and Chemical Properties

Appearance: Solid Sheet. Sandwich Construction
Odor: NA
Odor Threshold: NA
PH: NA
Melting Point: Aluminum > 890 °F. Core > 210 °F.
Initial Boiling Point/Boiling Range: No Data
Flash Point: Composites – (ASTM D-1929) >784 °F, (418 °C)
Evaporation Rate: NA
Flammability: Not Flammable
Upper/lower explosive limit: NA
Vapor Pressure: NA
Vapor Density: NA
Specific Gravity: Aluminum 2.70-2.73 g/ccm range Core 1.5 – 1.7 g/ccm range
Solubility: Insoluble in water
Partition coefficient: NA
Auto-Ignition: Composite – (ASTM D-1929) >783 °F (417 °C) Core – N/A
Decomposition Temperature: No Data
Viscosity: NA

Section X  Stability and Reactivity

Stability: Stable
Incompatibility: None known
Decomposition products: Reference: "Thermal decomposition", Section V

Section XI  Toxicology Information

No information available

Section XII  Ecological Information

No information available at this time

Section XIII  Disposal Information

Care must be taken when using or disposing of material debris to prevent environmental contamination. Dispose of the debris in accordance with the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act and all state or local laws / regulations regarding disposal.
Safety Data Sheet
Alucobond Plus®

Section XIV Transportation

UN Number: NA
UN Proper Shipping Name: NA
Transportation Hazard: NA
Packing Group: NA
Environmental Hazard: NA
Transport in bulk: NA
Special Precautions: NA

Section XV Regulatory Information

PROPOSITION 65: (California Only)
Additional Requirements for the State of California: “⚠️ WARNING: This product can expose you to chemicals including ethyl benzene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.”

REACH: Pursuant to Title II article 7 of the regulation this product is exempt from registration and notification and is therefore compliant with the REACH regulation.

RoHS: Alucobond Plus is compliant with the RoHS standard. All current colors of Alucobond Plus are also compliant with the RoHS standard with the exception of Hunter Red over Caution Yellow and Ultra Marine over Dark Green.

Section XVI Other Information

Abbreviations:
NA = Not Applicable  CAS = Chemical Abstract Service
OSHA = Occupational Safety and Health Administration.  PEL = Permissible Exposure Limit
STEL = Short Term Exposure Limit. ACGIH = American Conference of Governmental Industrial Hygienist.  TLV = Threshold Limit Value.

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