

Safety Data Sheet

ALUCOBOND® PLUS



REVISION: 6

DOCUMENT CODE: BEN-PRO1-304

| Section I | Product Identification |
|-------------------------|--|
| Manufacturer: | 3A Composites USA, Inc. 208 W. 5 th 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: | None, |

| 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 |
|-------------|----------------------|
|-------------|----------------------|

| Ingredients (Common Name) | CAS Number | Percent (%) by weight |
|----------------------------------|------------|-----------------------|
| Aluminum | 7429-90-5 | 37 to 47 |
| Aluminum Hydroxide | 21645-51-2 | 35 to 43 |
| Ethylene-Vinyl Acetate Copolymer | 24937-78-8 | 8 to 9 |
| Linear Low Density Polyethylene | 25087-34-7 | 8 to 9 |

| 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 |
|-----------|------------------------|
|-----------|------------------------|

Safety Data Sheet

ALUCOBOND® PLUS



REVISION: 6

DOCUMENT CODE: BEN-PRO1-304

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.

| Ingredient | OSHA Exposure Limit | | ACGIH |
|------------|---------------------|--------------------|-------|
| | Total | Respirable | |
| Aluminum | 15mg/m ³ | 5mg/m ³ | N.E. |

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



REVISION: 6

DOCUMENT CODE: BEN-PRO1-304

| | |
|------------|----------------------------------|
| 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 .92 g/ccm |
| 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



REVISION: 6

DOCUMENT CODE: BEN-PRO1-304

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.

IMPORTANT: The information and data contained herein are believed to be accurate and have been compiled from sources believed to be accurate. All information contained herein is offered for your consideration, information, investigation, and verification. 3A COMPOSITES MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OR COMPLETENESS OF THE INFORMATION AND DATA HEREIN. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. 3A Composites will not be responsible for claims relating to any parties' use of or reliance on information and data contained herein regardless of whether it is claimed that the information are inaccurate, incomplete, or otherwise misleading

Safety Data Sheet

ALUCOBOND® PLUS



REVISION: 6
End of Safety Data Sheet

DOCUMENT CODE: BEN--PRO1-304