

Safety Data Sheet

MONARC Wall Panel Solutions



Revision Date: 01/14/2021

Initial Release Date: 7/7/ 2020

Version 1.0

Section 1. Product Identification

Product name: MONARC

Company Identification

3A Composites USA, Inc.
3480 Taylorsville Highway
Statesville, NC 28687-1839

Customer Information Number: (800) 872-8974

Emergency Phone Number: 1-800-872-8974

To be used only in the event of chemical emergencies involving a spill, leak, fire, and exposure accidents involving chemicals.

Section 2. Hazard Identification

Physical Appearance: Medium weight rigid panel

Potential Health Effects:

This product is classified as a non-hazardous component when polymerized. Avoid breathing fumes if abraded, melted, welded, cut or processed.

Ingestion: Swallowing is not anticipated. If swallowed, seek immediate medical advice.

Section 3. Chemical Composition

Ingredients (Common Name)	CAS Number	Percent (%) by weight
Inorganic Fillers	None	42 to 49
Aluminum	7429-90-5	30 to 45

Section 4. First Aid Measures

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 products.

Eye Contact: Dust may mechanically irritate the eyes, resulting in redness or watering. Treat dust in eye as foreign object. Flush with water to remove dust particles. Get medical help if irritation persists.

Skin Contact: Not anticipated for product in purchased form, wash with mild soap and water.

Inhalation: If inhalation causes adverse effects, respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

Note to Physician: No special advice, treat symptomatically

Ingestion: Not likely to occur for product in purchased form.

Inhalation: Excessive dust concentrations may cause unpleasant obstruction in the nasal passages.

Skin Absorption: Product is not absorbed through the skin.

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Section 5. 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 6. 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 7. Handling and Storage

Store in well ventilated areas on flat surface. Handling and storage must exercise caution with all sharp edges. Avoid blowing dusts from routing or cutting material.

Section 8. 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	
Inorganic Fillers	10mg/m ³	5mg/m ³	N.E.
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.

Section 9. Physical and Chemical Properties

Appearance: Solid Sheet. Sandwich Construction
Odor: NA
Odor Threshold: NA
PH: NA

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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 10. Stability and Reactivity

Stability:	Stable
Incompatibility:	None known
Decomposition products:	Reference: “Thermal decomposition”, Section 5

Section 11. Toxicology Information

No information available

Section 12. Ecological Information

No information available at this time

Section 13. Disposal Information


Dispose of waste materials in accordance with Federal, State and local regulations.

Section 14. Transportation

DOT: Not regulated
IMDG: Not regulated

Section 15. 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.”

We realize that this warning sounds very alarming however; we want to reassure you based on the findings of reliable research. While there is research that supports health-related risks due to exposure to the listed chemical, this research also finds that the key factor in determining the health risk is the amount of exposure to the chemical vapors and not

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products made as a result of its use. These hazardous exposure limits are generally found in the workplace when chemicals in liquid form are being used, and are no longer in liquid forms in the products being shipped to our retailers and customers.

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® and Dibond 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.

TSCA: All ingredients of this product are either listed on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

CERCLA: This product does not contain ingredients which are subject to the reporting requirements of CERCLA.

SARA 313 Information: This product does not contain a chemical ingredient(s) with known CAS Number to exceed the *de minimis* reporting levels established by SARA Title III, section 313 and 40 CFR section 372 depending upon pulp inventory.

SARA 311/312 Hazard Category: This product has been reviewed according the EPA "Hazard Categories: promulgated under SARA Title III, Sections 311 and 312 and is considered, under applicable definitions, to meet the following categories:

An immediate acute) health hazard	No
A delayed (chronic) health hazard	No
A corrosive hazard	No
A fire hazard	No
A reactivity hazard	No
A sudden release hazard	No

Section 16. 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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End of Safety Data Sheet