Hoover Architectural Solutions: Reynobond® Composite Panel

"Article" Exemption: Reynobond® Composite Panel

Reynobond® Composite Panel meets the definition of an "article" as outlined in Occupational Safety and Health Administration (OSHA) Hazard Communication (HAZCOM) Standard, 29 CFR 1910.1200, which intends to "ensure that the hazards of all chemicals produced or imported are classified, and that information concerning the classified hazards is transmitted to employers and employees." Transmittal of hazard communication information is "to be accomplished by means of comprehensive hazard communication programs, which are to include containing labeling and other forms of warning, safety data sheets and employee training." *Id*. However, this standard does not apply to "articles", which are defined in Section 1910.1200(c) as:

> A manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical health hazard or health risk to employees.

This product should not present a health or safety hazard under recommended or normal use. As such, this item qualifies as an "article" under the HAZCOM Standard and does not require a Safety Data Sheet (SDS), labeling, or other forms of warning. This information is being provided as a courtesy to our customers.

Section 1. Identification	
Product	Aluminum Cladding
Synonym / Trade Name	Reynobond® Composite Panel
REACH Registration #	Not Applicable
Product Use(s)	Architectural / Building Material
Area of Application	Industrial, Commercial
Manufacturer	Hoover Architectural Solutions 50 Industrial Blvd. Eastman, GA 31021
Telephone	1 (478) 374-4746
Emergency Telephone	Velocity EHS 1 (888) 255-3924 ** To be used only in the event of chemical emergencies involving a spill, leak, fire and exposure accident.*

Section 2. Hazards Identification	
OSHA / HCS Status	Not classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).
Hazard Classification	None. Under normal conditions of use, this product should not pose any health or safety hazards. However, misuse of this product may affect product performance and present a potential health or safety hazard.
Signal Word(s)	None
Hazard Statement(s)	None
Pictogram(s)	None
Precautionary Statement(s)	Not applicable.
Hazards Not Otherwise Classified	No known hazards.

Section 3. Composition/information on ingredients	
Substance	Mixture
Other Means of Identification	Aluminum Cladding, Aluminum Composite Material

Ingredients	CAS No.	Percent	Comments
Aluminum Face Sheet	7429-90-5		3105,3003,3005,5005 Alloy Series
Magnesium (Aluminum Face Sheet)	7439-95-4	37.8 %	
Manganese (Aluminum Face Sheet)	7439-96-5		
Polyethylene (Polymeric Core)	2508-34-7	0 – 61%	
Fire Retardant (Polymeric Core)	Proprietary*	0 – 61%	
Adhesive Layer	Proprietary*	0 – .8% (+/-)	
Coatings/Finishes	Proprietary*	0 – .3% (+/-)	May include vinyl, epoxy resins, polyesters, siliconized polyesters, acrylics, fluorocarbons, polyurethane, petroleum, and/or chromium conversion properties.

* Designates that a specific chemical identity has been withheld as a trade secret.

Section 4. First Aid Measures

Eye Contact
Dust from mechanical processing may irritate the eyes resulting in redness or watering. If eye contact occurs, treat dust in eye as foreign object. Flush with water to remove dust particles. Seek medical attention if irritation persists.

Skin Contact/Absorption
Dust from processing may cause irritation of the skin from friction but cannot be absorbed through intact skin. If skin contact occurs, wash with mild soap and water. Seek medical attention if irritation persists or later develops.

Ingestion
Ingestion is unlikely under normal conditions of use. If ingestion occurs, dilute with large amounts of water. Seek medical attention if irritation develops.

Inhalation
Processing may cause the release of dust but can be minimized using engineering controls (e.g., local exhaust ventilation). If inhalation causes adverse effects, remove to fresh air. Seek medical help if persistent irritation, severe coughing or breathing difficulty occurs.

Note to Medical Professionals
Treat symptomatically.

Section 5. Fire-Fighting Measures

Extinguishing Media
Water, Foam, CO2, Dry Chemical Powder

Unsuitable
Do not use halogenated extinguishing agents on small chips/fine dusts.

Specific Hazards
May produce water, carbon dioxide, carbon monoxide, metal oxide(s) and dense smoke upon combustion. Combustion of coatings can potentially generate VOCs, aldehydes, and zinc oxide fumes.

Flash Point
>824° F

Special Firefighting Equipment/Procedures
No special equipment anticipated.

Section 6. Accidental Release Measures

Emergency procedures
Accidental release is not anticipated during normal conditions of use.

Personal Precautions, Protective Equipment and Emergency Procedures
Good housekeeping practices should be employed during mechanical processing. Take measures to eliminate or minimize the creation of dust. Whenever possible, dust should be controlled with engineering such as covers, local exhaust ventilation, or enclosures.

Use personal protective equipment as described in Section 8 below.

Environmental Precautions
Avoid generation, dispersal, and release of dust. Avoid dust runoff and contact with soil, waterways, drains and sewers.

Methods and Materials for Containment and Cleanup
Should a release of dust occur to the environment, contain by blocking routes to surface water and grassy areas.
Vacuuming with an industrial vacuum cleaner equipped with a high-efficiency particulate (HEPA) filter is preferred to sweeping. Avoid sweeping in a manner that creates fine dust clouds, as they may form explosive mixtures with air.

Dispose of waste material in a designated, labeled container for disposal according to local, state, and regional regulations. If there are no applicable regulations, dispose of in a landfill or in a way that will not expose others to dust or sharp edges.

Section 7. Handling and Storage

Precautions for Safe Handling	Caution should be taken to avoid sharp edges during fabrication and installation.
Safe Storage Conditions	Store flat in a dry location. Handle carefully to avoid scratching finished product.

Section 8. Exposure Controls and Personal Protection

The use of exposure controls and PPE should be based on a thorough hazard assessment, compliance with regulations, comfort/fit, and the specific needs of the work environment.

Engineering Controls	Provide local exhaust during fabrication to control fugitive dust exposure. The design and operation of any dust collection or exhaust system should consider the possibility of explosive dust concentrations within the system.
Environmental Controls	Emissions from ventilation systems or work process equipment should comply with the requirements of applicable environmental regulations.
General Work Practices	Follow industry standard best practices for general workplace hygiene and housekeeping. Clean up areas where dust settles to avoid excessive accumulation and minimize compressed air blow down or other practices that generate high airborne-dust concentrations. Eating, drinking, and smoking should be prohibited in areas where the product is being handled or processed to minimize potential inhalation or ingestion of dust. Always wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
Eye / Face Protection	Goggle or tight-fitting, full shield safety glasses are recommended when exposure to dust may occur (e.g., during mechanical processing or clean-up).
Hand Protection	Protective gloves are recommended to minimize risk of irritation or cuts from handling product.
Other Protective Clothing	None.
Respiratory Protection	Dust may be generated during fabrication or cleanup. Use an appropriate NIOSH-approved filtering face piece respirator (“dust mask”) to minimize inhalation.

Section 9. Physical and Chemical Properties

Physical State	Solid, panels
Color	Various
Odor	None
Melting Point	1149 – 1220˚F Aluminum / >221˚F Polymer

Section 10. Stability and Reactivity

Reactivity & Chemical Stability	The product is stable and non-reactive under normal conditions of use, storage, and transport.
Hazardous Reactions	None.
Conditions to avoid	Chips, fines, dust, and molten metal are considerably more reactive with the addition of heat and water. Particularly with smaller particles (e.g., fines and dusts). Water/aluminum mixtures may be hazardous when confined.
Incompatible materials	Aluminum sheeting should not be in direct contact with copper, concrete, or galvanized steel (unless isolated) due to risk of corrosion.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced. See Specific Hazards in Section 5.

Section 11. Toxicological Information

Acute Toxicity	Not classified.
Irritation/Corrosion	Uncontrolled dust from processing may cause respiratory irritation. Not corrosive.
Sensitization	Not classified.
Mutagenicity	Not classified.

Carcinogenicity	Not classified.
Reproductive Toxicity	Not classified.
Teratogenicity	Not classified.
Aspiration Hazard	Not classified.
Routes of Exposure	Dust from processing may be inhaled if appropriate controls are not used and may cause respiratory irritation.
Potential Acute Health Effects	Uncontrolled dust from processing may cause respiratory irritation.
Potential Chronic Health Effects	The product does not present any known chronic health effects.

Section 12. Ecological Information

This product is not expected to be an environmental hazard. Dust generated from processing should be disposed of properly.

Section 13. Disposal Considerations

Disposal Methods	Dispose of waste material in a designated, labeled container for disposal according to local, state, and regional regulations. If there are no applicable regulations, dispose of in a landfill or in a way that will not expose others to dust or sharp edges.

Section 14. Transport Information

UN Number	Not Applicable
UN Proper Shipping Name	Not Applicable
Transport Hazard Class(es)	Not Applicable
Packing Group	Not Applicable
Environmental Hazards	Not Applicable
Transport in Bulk	Not Applicable

Section 15. Regulatory Information

OSHA	This product is not classified as hazardous under the criteria set forth by 29 CFR 1910.1200, Hazard Communication.
Federal and State Regulations	There is no classification data available on carcinogenic properties of this material from EPA, IARC, OSHA, or ACGIH. California Proposition 65: WARNING – This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Components of this product are subject to the following regulatory requirements and/or appear on the following associated chemical inventory list(s): Toxic Substance Control Act (TSCA).

Section 16. Other Information

The information presented in this document is based on data believed to be accurate as of the date of issue.

The information 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.

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