



Safety Data Sheet



WALL PANELING

Safety Data Sheet dated: 07/22/2024 - version 1

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1. IDENTIFICATION

Product identifier

Trade Names : ECO-CLAD WALL PANELING

Product Name : Rigid Polyvinyl Chloride sheets Material Name :

Polyvinyl Chloride Homopolymer CAS Number : 9002-86-2 UN

Number : None ACX Number : X1007407-8 RTECS : KV0350000

Material Synonyms : PVC NFPA Ratings : Health=1, Fire=0,

Reactivity=0

Name, address, and telephone number of the manufacturer, importer, or other responsible party

Company: Allied Industries International

1088 Gaffney Hwy

29353 - Jonesville - SC - USA

Phone: 800-767-5754

Responsible: Not available

Emergency 24 hour numbers:

800-767-5754

2. COMPOSITION / INFORMATION OF INGREDIENTS

Tin stabilized PVC sheets, 2.5% by weight tin-maleate or tin-mercaptide based stabilizer. Pigments and additives used to enhance specific properties are encapsulated in the polymer resin matrix. No solvents. No plasticizers. No cadmium, lead, or other heavy metals used.

3. HAZARDS IDENTIFICATION

No particular hazards known.

3.1. Health Hazard Data

3.1.1 Effects of a Single Overexposure

Swallowing : non-relevant

Skin absorption : non-relevant

Inhalation : non-relevant

CAS Number : exposure is not expected to cause adverse health effects

Eye contact : non-relevant

3.1.2 Effects of a Repeated Overexposure - None currently known

3.1.3 Medical Conditions Aggravated by Overexposure - None currently known

3.1.4 Other Effects of Overexposure - None currently known

4. FIRST AID MEASURES

4. First Aid Measures In general handling the material will not cause accidents.

4.1. Inhalation Route of entry – inhalation : No If exposed to combustion fumes in high concentration - bring victim to fresh air. Medical attention needed.

4.2. Ingestion Route of entry – ingestion : No

4.3. Skin Contact Burns resulting from accidental contact with molten material must be flushed immediately with cold water. Do not remove the polymer from the skin. Medical attention needed.

4.4. Skin Absorption Route of entry – skin : No

4.5. Eye Contact Like any foreign body, can cause mechanical irritation. Consult physician.

4.6. Notes for Physician There are no specific notes.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media Water spray or CO₂. CO₂ is less recommended due to lack of cooling capacity.

5.2. Extinguishing Media To Avoid No information currently available.

5.3. Special Fire Fighting Procedures Personnel without suitable respiratory apparatus should leave the affected area to prevent exposure to toxic or combustible gases.

5.4. Special Protective Equipment for Firefighters Positive-pressure self-contained breathing apparatus, protective clothing, gas mask approved for acid vapors.

5.5. Unusual Fire and Explosion Hazards PVC is a self extinguishing fire retardant material, that being exposed to open fire and high temperatures decomposes emitting large quantities of HCl, which tends to extinguish the flames. It does not continue to burn after ignition without an external fire source. HCl has a strong acidic odor that causes sensory alert at very low concentrations. HCl odor threshold = 0.77 ppm. Exposure to high concentrations of HCl will cause irritation of the respiratory passages, at very high concentrations may cause burns to mucous membranes. OSHA legal airborne PEL is 5 ppm, not to be exceeded at any time. ACGIH recommended airborne exposure limit is 5 ppm, which should not be exceeded at any time. Soot emitted when PVC is forced to burn may obscure visibility.

6. ACCIDENTAL RELEASE MEASURES

No special precautions and no personal protective equipment needed. Collect mechanically for disposal.

7. HANDLING AND STORAGE

7.1. Handling General handling precautions Avoid mechanical contact with eyes. Ventilation General (mechanical) room ventilation is expected to be satisfactory where this product is stored and handled. Other precautions No explosion hazard. In the event of fire, cool and overlap product with water. Static electricity discharge sparks possible during handling. Avoid contact or vicinity of flammable materials. When opening truck or rail car for unloading, ventilate before entering.

7.2. Storage Store in a cool shady area. No special technical protective measures required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure Limits No occupational exposure limits established by OSHA, ACGIH, or NIOSH.

8.2. Personal Protection Respiratory protection : No special protection needed

Hand protection/protective gloves : No special protection needed

Eye protection : No special protection needed

Other protective equipment : No special protection needed

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Flat or corrugated plastic sheets

Physical State : Solid

Color : Clear or colored

Odor : None

Density : 1.35-1.45 gr/cm³

Heat Deflection : 62 - 65°C (144°F -149°F)

Boiling Point, 760 Hg : Not relevant

Viscosity : Not relevant

Solubility in Water : <0.1g/100mL at 23°C

pH Value : Not relevant



Flash Point : 391 °C (735 °F) ASTM D 1929 Autoignition Temp. : 454 °C (849 °F) ASTM D 1921

Flammability Limit : None

Explosion Limits : None

Evaporation Rate : Not relevant

Percent Volatiles : Not relevant

10. STABILITY AND REACTIVITY

10.1. Stability Stable.

Conditions to avoid Excessive heat, or open flame. Temperature above 150 °C (302 °F) will decompose raw polymer resin and liberate HCl.

Incompatible materials Oxidizing agents or strong mineral acids can cause reaction.

Thermal decomposition Begins above 150 °C (302 °F) caused by fire, overheating during improper processing. Fumes damaging to health may be released.

Hazardous decomposition products Burning can produce the following combustion products: Carbon monoxide (CO) - is highly toxic if inhaled; Carbon dioxide (CO₂) - in sufficient concentrations can act as an asphyxiant; Hydrogen chloride (HCl) - in high concentrations cause irritation of the respiratory passages, at very high concentrations may cause burns to mucous membranes.

10.2. Reactivity

Hazardous polymerization : Will not occur

Hazardous reactions : None

11. TOXICOLOGICAL INFORMATION

PVC materials have a very low acute toxicity. In rats an acute LD₅₀ > 10 gr/kg of body weight. PNEUMOCONIOSIS has been described from inhalation of combustion products (effects of overexposure). Industrial hygiene studies have shown that under normal and expected conditions of use of PVC materials, exposures are well below applicable limits.

11.1. Acute Toxicological Information

Acute oral toxicity : None

Acute percutaneous toxicity : None

Acute vapor exposure : None

Primary skin irritation : No irritation

Eye irritation : No irritation

Sensitization : No information available

Chronic effects : Unknown

Carcinogenicity- NTP : Not listed

Carcinogenicity- IARC : Not listed

Carcinogenicity- OSHA : Not listed

11.2. Other Toxicological Information

No known toxicological effects with normal use. For heating see section 10.

11.3. Additional Information

No additional toxicity information currently available.

12. ECOLOGICAL INFORMATION

12.1. Persistence and Degradability Detailed studies have not been conducted concerning the environmental fate of the product. According to present knowledge no unfavorable ecological effects are to be expected. Not generally hazardous to water. Insoluble in water, non-toxic solid.



Mobility : No information currently available

Persistence and biodegradability : Biodegradation period - tens of years.

Bioaccumulative potential : No information currently available.

12.2. Environmental Risks

No hazard expectation to terrestrial or aquatic flora and fauna.

Ecotoxicity : LD50 (rats) > 10 gr/kg : LC50 (bacterial inhibition) - no data available

Aquatic toxicity : LC50 (daphnia magna) - no data available : LC50 (fat head minnow - fish) - no data available

12.3. Other Information

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this safety data.

13. DISPOSAL CONSIDERATIONS

The product is not considered hazardous under current EPA hazardous waste regulations. Recycling is the preferred method of disposal. Alternatively, the product may be disposed of in an approved landfill. High temperature incineration under controlled conditions due to formation of HCl. All wastes should be evaluated in conjunction with applicable solid and hazardous waste regulations, Toxicity Characteristic Leaching Procedures (TCLP), and disposed of as appropriate. This product does not contain any cadmium or other heavy metal pigments or stabilizers. It is the user's responsibility to dispose of all wastes in accordance with all national and local regulations at properly permitted or authorized facilities.

14. TRANSPORT INFORMATION

DOT PSN Code : ZZZ

DOT Proper Shipping Name : Not regulated by this mode of transportation

IMO PSN Code : ZZZ

IMO Proper Shipping Name : Not regulated by this mode of transportation

IATA PSN Code : ZZZ

IATA Proper Shipping Name : Not regulated by this mode of transportation

AFI PSN Code : ZZZ

AFI Proper Shipping Name : Not regulated by this mode of transportation

Additional transportation data : Not currently regulated under Department of Transportation regulations

Labeling : No labeling is required in accordance with the EEC directives

Placarding : No placarding is required in accordance with the EEC directives

Special transport requirements: None

Packaging : Avoid dark-colored packaging to prevent heat distortion

The product is classified as a non-hazardous material in the meaning of transport regulations.

15. REGULATORY

With regards to dust formed as a consequence of mechanical treatments, the appropriate regulations value limits for fine dust must be observed: MAC value (fine dust) – 5mg/m³ . OSHA Hazard Communication Classification for dusts and combustion fumes: Irritant, Skin Hazard, and Lung Hazard. SARA Title III Classification for dusts and combustion fumes: Acute Health Hazard; Chronic Health Hazard. WHMIS Classification: Non-hazardous



16. OTHER INFORMATION

Recommended Uses And Restrictions

Please consult the relevant product and/or application information for this product.

Further Information

Additional information on this product may be obtained by calling your Allied Industries International, Inc. Customer Service Contact.

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