

CoreLite[®] PVC

Safety Data Sheet for CoreLite PVC

According to OSHA 29 CFR 1910.1200(g)

Last Revised: June 8, 2016

Section 1 Identification

CoreLite PVC Foam 40, 48, 60, 80, 100, 130, 200, 250

Recommended Use: Core material for composite sandwich construction

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Section 2 Hazards Identification

Product contains no hazardous ingredients per 29 CFR 1910.1200. However processing this product (cutting, sanding, milling, routing, drilling) may result in airborne particles of the product.

Section 3 Composition/ Information on Ingredients

Polymerized cross-linked aromatic PVC foam

Section 4 First-Aid Measures

Inhalation Evacuate individual to an area with fresh air. If difficulty in breathing persists, administer oxygen. If breathing stops or asphyxia is apparent, administer CPR and call for emergency assistance.

Skin Contact Flush with water or wash with soap and water. Do not blow off dust with compressed air. Prolonged exposure may cause itching. Seek medical attention if reaction occurs.

Eye Contact Flush eye, both upper and lower lid, with water. Seek medical attention if irritation persists.

Ingestion Drink water. If large quantities are ingested and symptoms develop, seek medical attention.

Section 5 Fire-fighting Measures

Hazards: Product will burn when ignited and may smolder unless doused with water.

Extinguishing Media Water, Water-fog, Foam, Carbon Dioxide, dry chemical extinguishing powder. Do not use direct water jet.

Protective equipment: Self-contained breathing apparatus and protective clothing should be worn during a sustained fire.

Section 6 Accidental Release Measures

No special measures required

Section 7 Handling and Storage

Handling: Avoid generation or accumulation of dust. Protective equipment must be used if dust is created.

Storage: Product should be stored in a cool, dry location. Store away from open flame, heat sources or other dangerous sources of ignition.

Section 8 Exposure Controls/Personal Protection

Exposure Limit Values (for particles): **Dust Particles**
MAC: 10mg/m³
Vapors
Tetramethylsuccinonitrate, Methacrylnitrite
MAC: 3mg/m³

Exposure Controls: Whenever use of the product results in creation of dust, such as during sawing, milling, grinding, or sanding, dust collection units (mechanical or vacuum) are recommended to prevent the potential accumulation of explosive airborne dust clouds and to decrease inhalation exposures. In addition, individual use of a dust/mist respirator with NIOSH/MSMA (TC-21C-132) approval, eye protection, gloves, and clothing covering the arms and legs are recommended.

Section 9 Physical and Chemical Properties

Appearance: Polymer foam sheet, visible cell structure, various colors

Glass Transition Temperature: 149-176°F (65 - 80°C)

Decomposition Temperature: > 428°F (220°C)

Flash Ignition Temperature: 716°F (380°C)

Density: 1.8 - 21.8lb/ft³ (30-350kg/m³)

Solubility: Soluble: Aromatic hydrocarbons, Ketones, Chlorinated Hydrocarbons
Insoluble: Water, Acids, Alkalis, Aliphatic Hydrocarbons

Section 10 Stability and Reactivity

Stability	Stable under normal conditions and working temperatures.
Other	Dangerous decomposition products include Tetramethylsuccinonitrile, Methacrylnitrile, Isobutyronitrile, Hydrogen Chloride, Hydrogen Cyanide, Carbon Monoxide, Carbon Dioxide.

Section 10 Toxicological Information

Toxicological Tests:	None performed
Skin Contact:	May cause itching or allergic reaction in sensitive Persons after pro-longed exposure.
Eye Contact:	Dust may cause irritation, redness, tearing
Inhalation:	Dust may cause irritation of respiratory tract. Inhalation of excessive dust from product can cause asphyxiation due to coating of lung tissue; may cause nasal dryness, irritation and obstruction; coughing, sneezing may occur.
Ingestion:	Not likely to occur. No known adverse effects.

Section 12 Ecological Information

Ecotoxicity	< 100ppm heavy metals
Mobility	Not soluble in water, not likely to effect groundwater
Persistence and degradability	Not biodegradable

Section 13 Disposal Considerations

Disposal should be in accordance with existing federal and local regulations. Waste residues can be incinerated in a plant equipped with flue gas washing.

Section 14 Transport information

Road	No restrictions
Rail	No restrictions
Air	No restrictions
Sea	No restrictions

Section 15 Regulatory Information

None additional to be reported.

Section 16 Other information

The information contained herein is based on data considered to be accurate. While the information is believed to be reliable, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Since the use of this information and the conditions and use of this product are controlled by the user, it is the user's obligation to determine the conditions for safe use of this product.

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