



Material Safety Data Sheet: Cellular PVC Profiles

I. Chemical Product and Company Identification

Deceuninck North America

Emergency Number: 1-800-432-9560

X5486
351 North Garver Rd.

Information Number: 1-800-432-9560

x5486
Monroe, Ohio 45050

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Product: Solstice Decking
Description: Rigid Cellular PVC Profile; Various Colors

This product is manufactured as a solid pre-formed rigid profile. It is classified as an “Article” and is exempt from materials safety data sheet (MSDS) requirements of OSHA 29 CFR 1910.1200 Hazard communication standard. This product as manufactured does not exhibit acute or chronic health hazards and does not emit hazardous airborne contaminants under ambient conditions. However, airborne dust can be generated during cutting, grinding, drilling, shaping, sanding, or other physical/mechanical processing. Corrosive, toxic, decomposition products (hydrogen chloride) can be generated at high (fire/combustion) temperatures. This MSDS is provided as a proactive measure to address these issues.

II. Composition/Information on Ingredients

Component: PVC Compound*

*This MSDS applies to a range of decking profiles, including hidden fastener, standard plank, and fascia boards, manufactured in a variety of colors and potentially minor property variations. Major material constituents are compiled in this section of the MSDS, however the precise formulation is proprietary. This product may contain minor quantities of proprietary components including pigments/colorants, processing aids, acrylic modifiers, stabilizers, cell-forming agents, and property enhancers. Refer to Section 8 for a list of hazardous ingredients that are in the compounds at relatively low (<1%) concentrations. These components are dispersed, bound, and encapsulated within the resin matrix and would not exceed OSHA permissible airborne concentrations so long as the total airborne particulate concentration is maintained within the 15 mg/m³ limit.

III. Hazards Identification

GENERAL HAZARD STATEMENT: This manufactured product is classified as an “Article” as defined under OSHA Hazard Communication criteria, and is thus exempt from the MSDS requirement. This solid profile presents so health risk in solid form.

Emergency Overview: Processing that generates significant quantities of airborne dust or thermal decomposition products should be performed in well-ventilated areas, and if appropriate, respiratory protection and other PPE should be utilized.



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Caution: Eye irritation is possible if solid material enters the eye. HCl can be liberated at elevated temperatures.

Effects of overexposure: Mechanical irritation of the eyes, skin, and respiratory tract may occur.

Medical conditions Aggravated by Exposure: Inhalation of dust may aggravate asthma and other respiratory ailments.

Primary Routes of Entry: Inhalation of airborne dust or thermal decomposition products. NO health risk under normal conditions of use.

Carcinogenicity: The carcinogenicity of this product as a whole has not been tested. Poly(vinyl chloride) resins contain trace amounts of Vinyl Chloride Monomer (VCM) which is a cancer suspect agent. Chromium and some of its compounds are listed as carcinogenic in both animals and man.

IV. First Aid Measures

Skin: Wash with mild soap and water. If irritation develops consult a physician.

Eyes: Flush well with water and if irritation persists consult a physician.

Ingestion: Ingestion of significant quantities is unlikely. Consult a physician.

Inhalation: Remove to fresh air. If adverse symptoms emerge consult a physician.

V. Fire Fighting Measures

Flash Point 736°F	Flammable Limits: Not established
Extinguishing Media	Water Spray, Foam, ABC Dry Chemical or CO ₂
Fire/Explosion Hazards	May burn and evolve HCl, CO, CO ₂ , and small amounts of organic and inorganic compounds
Fire Fighting Procedures	It is recommended that a self-contained breathing apparatus and protective clothing be worn to prevent skin and eye contact. Dense smoke can be emitted when burned without sufficient oxygen. PVC will not continue to burn after ignition without an external fire source. Do not allow fire fighting runoff water to enter streams, rivers, or lakes. The water will collect HCl from the byproducts of combustion.

VI. Accident Release Measures

Protect People

Signs/symptoms of overexposure: Health hazard of polyvinyl chloride may result in asthma syndrome. Check OSHA 29 CFR 1910. 1017. Transfer cutoff waste material or dust to appropriate containers for storage, recycle, or disposal.



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Protect the Environment

Sweep or vacuum material and dispose of in accordance with applicable federal, state and local regulations. Temperatures above 300 F will decompose raw resin and liberate HCl.

Clean Up

See MSDS Section 15 for Regulatory Information.

VII. Handling and Storage

Hygienic Practices: Skin should be thoroughly cleansed before eating, drinking, or using tobacco products and clothing laundered before reuse.

Storage: Store away from heat and ignition sources. Avoid exposure to organic solvents and temperatures in excess of 150°F.

VIII. Exposure Controls and Personal Protection

Handling: Handle with care avoiding personal contact and excessive dust generation. If large amounts of dust are expected use of safety glasses and an NIOSH dust respirator is recommended.

Ventilation: Mechanical ventilation should be used if dust levels exceed the recommended TLV for nuisance and/or total dust.

Hazardous Ingredients: The following materials may be present in this product, but are not anticipated to exceed exposure limits under normal conditions.

Component	% by weight mean	PEL (mg/m ³)	TWA (mg/m ³)
Tin Compound (as Sn)	0.1 (air)	0.1	0.1
Antimony Compound	<0.3	0.5	0.5
Chromium Compound	<0.3	0.5	0.5
Manganese Compound	<0.06	5.0	5.0
Cadmium Compound	<0.01	0.1	0.002
Copper Compound	<0.002	1.0	1.0

IX. Physical and Chemical Properties

Appearance: Solid Profile
Odor: odorless
Solubility in Water: Nil

Specific Gravity: 0.65-0.85
Melting Point: softens above 175°F
Physical State: Solid

X. Stability and Reactivity

Stability: Stable
Incompatibility: Not Applicable



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Hazardous Decomposition Products: HCL, CO, CO₂, Organic Acid Vapors.
Hazardous Polymerization: Will not occur.

XI. Toxicological Information

Animal Toxicity

Oral: Rat, TD_{LO} 210g/kg/30W-C: Equivocal tumorigenic agent

Implant: Rat, TD_{LO} 75 mg/kg: Equivocal tumorigenic agent

TD_{LO} = Lowest toxic dose in a given species by a given route of exposure.

While PVC is generally considered an inert polymer, exposure to PVC dust has been reported to cause lung changes in animals and humans, including decreased respiratory capacity and inflammation.

XII. Ecological Information

ENVIRONMENTAL FATE:

Aquatic: No data available

Biodegradation: Not subject to biodegradation

Persistence: This material will persist in the environment.

Bioconcentration: This material will not bioconcentrate.

Ecotoxicity: Based on the high molecular weight of this polymeric material, transport of this compound across biological membranes is unlikely. Accordingly, the probability of environmental toxicity or bioaccumulation in organisms is remote.

XIII. Disposal Information

Waste Management Information: Do not dump into any sewers, on the ground, or into any body of water. Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules). Waste characterization and compliance with applicable laws are the responsibility of the waste generator.

XIV. Transport Information

Proper Shipping Name Polyvinyl Chloride Compound

DOT - Hazard Class None

DOT - Shipping ID No. None

DOT - Labeling None



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XV. Regulatory Information

OSHA 29 CFR 1910.1017 - - - -: This resin used to manufacture this product may contain trace levels, <0.001% of VCM. Under normal working conditions with adequate ventilation, neither the OSHA's 8-hour TWA, PEL of 1.0 ppm, the 0.5 ppm action level or C/STEL of 5.0 ppm should be exceeded. The workplace should be monitored, and if the level exceeds the PELs or action levels, or C/STEL refer to 29 CFR 1910.1017. In addition, containers of PVC Resin should be legibly labeled with the following warning: Polyvinyl Chloride contains Vinyl Chloride. Vinyl Chloride is a Cancer Suspect -Agent.

EPA 40 CFR 372- - - -: Unless a cover letter is attached to this MSDS explicitly stating otherwise, this product contains no SARA 313 listed compounds at or above the de minimis quantities.

TSCA
Polyvinyl Chloride and all other components used to make this product are listed on the TSCA Inventory.

CERCLA
Not Applicable

RCRA
Not Applicable

California Proposition 65
This resin used to manufacture this product may contain trace levels, <0.001% of VCM. VCM is a chemical known to the state of California to cause cancer.

Canadian Regulations
The resin in this product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33 and the MSDS contains all information required by this regulation.
WHMIS Classification- Not a Controlled Product

XVI. Other Information

HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

Health: 0* **Flammability:** 1 **Reactivity:** 0

NFPA 704 - Hazard Identification Ratings (SCALE 0-4)

Health: 0 **Flammability:** 1 **Reactivity:** 0

Disclaimer: The information and recommendations contained within this Material Safety Data Sheet are based on information taken from MSDS's of the material's substituents and are believed to be accurate. However, Deceuninck North America makes no guarantees or warranties, either expressed or implied, with respect to the information.