

PVC, Wood / Polymer Composite Railing

UFP Ventures II, Inc.

Safety Data Sheet

In accordance with GHS regulations

Revision date: 20 September 2018
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1. Product and Company Identification

1.1 Product identifiers

Product Name	Veranda® HP Railing
Producer	UFPI Ventures II, Inc.
Product Number	Product Code 148952
CAS-No.	Not available - mixture

1.2 Identified uses of the product and uses advised against

Identified Uses	Classic and Architectural profile railings
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1.3 Details of the chemical supplier

Company	UFPI Ventures II, Inc.
Address	1801 E Lessard St Prairie du Chein, WI 53821 USA
Telephone:	+1 (360)-598-9220

1.4 Emergency phone number

Emergency phone number	+1 (800) 424-9300 (CHEMTREC Emergency Telephone, 24 hrs-a-day / 7 days-a-week)
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2. Hazards Identification

2.1 Classification of the substance or mixture according to GHS

EMERGENCY OVERVIEW: Particles generated by mechanical processes performed on wood. This product generally does not present any emergency conditions. If contacted by strong oxidizers or exposure to high temperatures a fire may occur. The fire smoke may contain toxic chemicals airborne wood dust in high concentrations, may explode when combined with an ignition source.

May form combustible dust concentrations in air (during processing). Under normal handling, the product is expected to pose low health hazards as the ingredients are firmly embedded in a wood matrix. Dusts generating from sawing, sanding, or machining of this product may pose the health hazards described in this SDS. An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lowest explosion limit (LEL) for wood dust.

GHS class	Not a hazardous substance or mixture in its manufactured form.
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Information concerning particular hazards for human and environment

No particular hazards for human and environment.

Classification system

The classification is according to the latest editions and extended by company and literature data.

2.2 GHS Label elements, including precautionary statements

GHS pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements	None
WHMIS-symbols	Not hazardous under WHMIS

NFPA ratings (scale 0 – 4)



Health - 0
Fire - 0
Reactivity - 0

HMIS ratings (scale 0 – 4)

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

Health - 0
 Fire/flammability - 0
 Reactivity/physical hazard - 0

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Complete toxicity data are not available for this specific formulation.

Results of PBT and vPvB assessment

PBT Not applicable
 vPvB Not applicable

Potential route of overexposure to this product may include eye and skin contact, and inhalation of excessive amounts of dust or heat-released vapors. Ingestion is not expected to be a significant route of exposure for this product under normal use conditions.

Product is a non-toxic solid material having minimal odor. Vapors and other heat-released air emissions may be irritating to the eyes, skin, and respiratory system. Under fire conditions, product will readily burn and emit a heavy, irritating smoke.

The IARC Monograph on Wood Dust (Volume 25, 1995; pages 35–215) has identified hardwood dust as a Group 1 carcinogen. The 1995 Monograph found a clear association between adenocarcinoma of the nasal cavities and paranasal sinuses and occupational exposure to hardwood dust. The report also indicated that there were too few studies to sufficiently evaluate the cancer risk attributable to the workplace exposure to softwood species. In the few studies that have been completed, the risk of cancer from exposure to soft woods appears to be elevated; however, there is not enough evidence to make a final determination. The SDS for hardwood species and those sheets for mixed species of hardwoods and soft woods must be identified as a carcinogen as required under 29 CFR 1910.1200(d)(4). However, this product in its manufactured form does not pose any health or carcinogenicity hazards.

3. Composition/Information on Ingredients

3.1 Product mixture

Synonyms	PVC/wood blend mix, wood polymer, synthetic wood
Formula	Mixture
Molecular wt	Mixture
CAS-No.	Mixture
EC-No.	Mixture

Classification in accordance with GHS

Chemical Name	CAS-No.	EC-No.	Ingredient Percent
Wood Flour	n/a	n/a	40 - 60 %
Poly(vinyl) chloride	9002-86-2	618-338-8	20 - 40 %
Functional additives	n/a	n/a	1 - 10 %

Remarks There are no additional hazardous ingredients greater than or equal to 1.0 wt% concentration or carcinogenic ingredients greater than or equal to 0.1 wt% concentration.

4. First Aid Measures

4.1 Description of first aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Skin contact	Keep away from open cuts and irritated skin. Wood dust of certain species may elicit allergic contact dermatitis in sensitized individuals and can cause mechanical irritation. If an allergy pre-exists or develops, it may be necessary to remove the sensitized worker from further exposure to wood dust or wood-based products. Consult a physician if symptoms occur.
Eye contact	If dust or vapors contacts the eyes rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lense(s) if able to do so during rinsing.
Inhalation	Move person to fresh air. Consult a physician if difficulties in breathing or other symptoms occur.
Ingestion	Rinse mouth with water and consult a physician if gastrointestinal or other symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Other first aid	No data available
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5. Fire Fighting Measures**5.1 Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media	Use alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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5.2 Special hazards arising from the substance or mixture

Special hazards	Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Decomposition products may include the following materials: carbon dioxide, carbon monoxide, oxides.
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5.3 Advice for firefighters

Protective equipment	Wear self-contained breathing apparatus for firefighting if necessary. Use water to wet down wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned, charred, or wet dust to open, secure area after fire is extinguished.
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6. Accidental Release Measures**6.1 Personal precautions, protective equipment, and emergency procedures**

Personal precautions	Avoid contact with skin and eyes. Avoid breathing vapors, mist or dust. Ensure adequate ventilation in areas where dust can accumulate. Remove all sources of ignition and evacuate personnel to safe areas. Dust can accumulate in low areas when dealing with large quantities. For personal protection see section 8.
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6.2 Environmental precautions

Environmental precautions	Prevent runoff into sewers and drains. Recover as much of the material as possible. Prevent further leakage and safe to do so.
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6.3 Methods and materials for containment and cleaning up

Methods for cleanup	Move containers from spill area. Wood dust generated from sawing, sanding, or machining may be vacuumed or shoveled for recovery or disposal. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with a shovel or mechanical means and place in container for disposal according to local regulations (see Section 13). Prevent accumulation of vapors/ dust during clean up. Keep in suitable, closed containers for disposal. Contain spillage.
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6.4 References to other sections

Other references	For disposal see section 13.
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7. Handling and Storage**7.1 General hygiene considerations**

General hygiene	Avoid contact with eyes. Avoid inhalation of vapor or dust. Use local exhaust or general dilution ventilation to control exposure and dust within applicable limits. Keep away from high temperatures and sources of ignition. For precautions see section 2.2. Wash hands after use. Individuals with respiratory disease, including but not limited to asthma and bronchitis, or subject to eye irritation, should not be exposed to dust overexposures.
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7.2 Precautions for safe handling

Safe handling precautions	Keep container tightly closed in a dry and well-ventilated place. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Keep away from high temperatures and potential sources of ignition.
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7.3 Conditions for safe storage, including any incompatibilities

Other storage conditions	Store product in a dry environment, away from strong bases and oxidizers. Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.
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8. Exposure Controls/Personal Protection**8.1 Control and exposure limits recommended by the chemical manufacturer**

OSHA PEL	Softwoods - 5 mg/m ³ TWA; 10 mg/m ³ STEL
ACGIH TLV	Softwoods - 5 mg/m ³ TWA; 10 mg/m ³ STEL
NIOSH recommendations	No data available

8.2 Appropriate engineering controls

Engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of day. Use adequate ventilation where dust forms to keep concentration under exposure control limits. Keep away from high temperatures and sources of ignition.
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8.3 Individual protection measures, such as personal protective equipment

Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye/face protection	Safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Hand protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body protection	Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

a) Appearance	Solid
b) Odor	No data available
c) Odor threshold	No data available
d) pH	No data available
e) Melting/freezing point	No data available
f) Boiling point	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	Upper (UEL): No data available Lower (LEL): No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient octanol/water	No data available
p) Auto-ignition temp	No data available
q) Decomposition temp	No data available
r) Viscosity	No data available

10. Stability and Reactivity**10.1 Reactivity**

Reactivity	No data available
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10.2 Chemical stability

Chemical stability	Stable under ordinary conditions of use and storage.
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10.3 Possibility of hazardous reactions

Hazardous reactions	No data available
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10.4 Conditions to avoid

Conditions to avoid	Contact with incompatible chemicals and exposure to extremely high temperatures.
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10.5 Incompatible materials

Incompatible materials	Strong oxidizers, strong acids, acid chlorides, acid anhydrides, chloroformates, or strong reducing agents.
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10.6 Hazardous decomposition products

Hazardous products None under normal processing. In the event of fire, see section 5.

11. Toxicological Information**11.1 Information on toxicological effects****Acute toxicity**

Acute oral toxicity No data available
 Acute intravenous toxicity No data available
 Acute dermal toxicity No data available
 Acute inhalation toxicity No data available

Skin corrosion/irritation

Skin corrosion irritation Vapors or flakes may cause irritation to open cuts and irritated skin

Serious eye damage/eye irritation

Eye damage/eye irritation Vapors or flakes may cause irritation to eyes

Respiratory or skin sensitization

Respiratory sensitizer No data available
 Skin sensitizer No data available

Germ cell mutagenicity

Mutagenicity No data available

Carcinogenicity

Carcinogenicity No data available

Suspected cancer agent

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

IARC Wood dust, Group 1 - IARC Group 1:
 The IARC Monograph on Wood Dust (Volume 25, 1995; pages 35–215) has identified hardwood dust as a Group 1 carcinogen. The 1995 Monograph found a clear association between adenocarcinoma of the nasal cavities and paranasal sinuses and occupational exposure to hardwood dust. The report also indicated that there were too few studies to sufficiently evaluate the cancer risk attributable to the workplace exposure to softwood species. In the few studies that have been completed, the risk of cancer from exposure to soft woods appears to be elevated; however, there is not enough evidence to make a final determination. The SDS for hardwood species and those sheets for mixed species of hardwoods and soft woods must be identified as a carcinogen as required under 29 CFR 1910.1200(d)(4).

Reproductive toxicity

Reproductive toxicity No data available

Aspiration hazard

Aspiration hazard No data available

12. Ecological Information**12.1 Ecotoxicity (aquatic and terrestrial)**

Ecotoxicity No data available

12.2 Persistence and degradability

Degradability No data available

12.3 Bioaccumulation potential

Bioaccumulation No data available

12.4 Mobility in soil

Mobility in soil No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment Not available as chemical safety assessment not required/not conducted.

13. Disposal Considerations

13.1 Waste treatment methods

Waste treatment disposal

For consumer use, dispose of in trash can. Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

14. Transport Information

DOT

Not dangerous goods.

IMDG

Not dangerous goods.

IATA

Not dangerous goods.

15. Regulatory Information

15.1 Safety, health, and environmental regulations specific to the product or mixture

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards TSCA	No hazards. All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements.
Canada DSL	All components of this product are on the Canada Domestic Substance List or are exempt from DSL requirements.
WHMIS classification CA Prop. 65 components	No ingredients are hazardous according to the CPR criteria. ⚠️ WARNING: Drilling, sawing, sanding, or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood .
	⚠️ WARNING: This product can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .
Hazard symbols	None
Risk phrases	None
Safety phrases	None
International lists	Australia - AICS - The materials are listed or exempted Canada - The materials are listed or exempted China - IECSC - The materials are listed or exempted Europe - EINECS - The materials are listed or exempted Japan - ENCS/ISHL - The materials are listed or exempted Malaysia - The materials are listed or exempted New Zealand - NZIoC - The materials are listed or exempted Philippines - PICCS - The materials are listed or exempted Korea - KECI - The materials are listed or exempted Taiwan - NECI - The materials are listed or exempted Turkey - The materials are listed or exempted United States - The materials are listed or exempted

16. Other Information

HMIS Rating	Health hazard: 0 Flammability: 0 Physical Hazard 0
NFPA Rating	Health hazard: 0 Fire Hazard: 0 Reactivity Hazard: 0
Revision Date	20 September, 2018

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. UFPI Ventures II, Inc. assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in

the data sheet. Additionally, UFPI Ventures II, Inc. assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Abbreviations and acronyms	<p>IMDG - International Maritime Code for Dangerous Goods IATA - International Air Transport Association GHS - Globally Harmonized System of Classification and Labelling of Chemicals PBT - Persistent, bioaccumulative and toxic assessment vPvB - Very persistent and very bioaccumulative assessment ACGIH - American Conference of Governmental Industrial Hygienists NIOSH - National Institute for Occupational Safety and Health TLV - Threshold Limit Values CAS - Chemical Abstracts Service (division of the American Chemical Society) NFPA - National Fire Protection Association HMIS - Hazardous Materials Identification System CFR - Code of Federal Regulations SARA - Superfund Amendments and Reauthorization Act DOT - US Department of Transportation EC50 - Half maximal effective concentration LD50 - Median lethal dose LC50 - Median lethal concentration SDS - Safety Data Sheet PEL - Permissible Exposure Limit TSCA - Toxic Substances Control Act</p>
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