

MATERIAL SAFETY DATA SHEET

1. Production & Company Identification

Manufacturer: Turncraft, A Division of Cascade Wood Products

Address: PO Box 2429, 8399 14th Street, White City, Oregon, 97503

Trade Name: Polyvinyl Chloride Compounds, Co-Polymer Blends, Alloys & Mixtures; Extruded Profiles

Synonyms: PVC Dry Blend; PVC Alloys, Vinyl Deck, Vinyl Railing, Vinyl Fence Profiles

Product Code: R1012, R1013

Chemical Name: Mixture

CAS-Number: Mixture

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2. Components and Hazard Classification

	Weight %	CAS Number	
PVC Resin	50-95%	9002-86-2	Chloro Ethene, Poly vinyl chloride polymer
Wood pulp/fiber/dust	30-60%	Not Established	
Filler (Inert)	0-30%	1317-65-3	CaCO ₃ Calcium Carbonate
	0-30%	14807-96-6	Talc Mg ₃ Si ₄ O ₁₀ (OH) ₂ , Hydrous Magnesium Silicate
	0-30%	1332-58-7	Clay Al ₂ Si ₂ O ₅ (OH) ₄ , Hydrous Aluminum Silicate
Heat Stabilizers	0-3%	Proprietary	Organotin Compounds
Lubricants	0-5% Mixture	1592-23-0	Calcium Stearate
		68441-17-8	Oxidized Polyethylene Wax
		8002-74-2	Paraffin Wax
		8012-95-1	Mineral Oil
		110-30-5	Ethylene Bistearmide Wax
Process Aids	0-3%	Proprietary	Acrylic Polymers
Impact Modifiers	0-10%	Proprietary	Acrylic, chlorinated PE, ABS, butadiene rubber block co-polymers
Acrylic Resin	0-50%	Proprietary	Acrylic Polymers
Colorants	0-5%	Proprietary	Organic pigments
		Proprietary	Inorganic pigments, mixed metal oxides and complexes
		13463-67-7	Titanium Dioxide

NOTE: PVC compounds and profiles in no case contain more than 1ppm residual vinyl chloride monomer (RVCM). Profiles contain less than 0.15ppm RVCM.
Contains no chemicals subject to SARA 302 or SARA 311/312/313 reporting.
PVC compounds and profiles contain less than 1ppb lead or antimony compounds.

3. Hazards Identification

Emergency Overview

These materials have not been evaluated as a whole for health effects. Information provided on health effects of these products are based on individual components. See sections 3 and f11 for additional details. This product may contain residual vinyl chloride monomer (VCM, CAS number 75-01-4) below 1ppm (0.0001%). OSHA considers VCM a suspect carcinogen and regulates it under 29 CFR 1910.1017. It is unlikely, under normal working conditions with adequate ventilation, that the OSHA action level and the OSHA exposure limits will be exceeded for residual VCM. However, the user should take the necessary precautions (e.g. mechanical ventilation, local exhaust ventilation, air-monitoring, respiratory protection, etc.) to ensure airborne levels of any vapors including VCM or dusts that may be released during heating or processing are below regulated levels.

Potential Health Effects

Routes of exposure:	Inhalation, Ingestion, Skin Contact
Acute exposure:	<p>Inhalation: Resin particles, like other materials, can be mechanically irritating to respiratory system.</p> <p>Ingestion: May be harmful if swallowed.</p> <p>Eyes: Resin particles, like other inert materials, are mechanically irritating to eyes.</p> <p>Skin: Exposure has shown no unusual dermatitis hazard from routine handling.</p>
Chronic exposure:	Refer to section 11 for toxicological information.
Medical conditions Aggravated by exposure:	None known.

4. First Aid Measures

Inhalation:	Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist or in all cases of doubt see medical advice.
Ingestion:	Do not induce vomiting without medical advice. When symptoms persist or in all cases of doubt seek medical advice.
Eyes:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.
Skin:	Wash off with soap and plenty of water. If skin irritation persists, seek medical attention.

5. Fire Fighting Measures

Flash point:	Not applicable
Flammability limits:	
Upper exposure limit:	Not applicable
Lower exposure limit:	Not applicable
Autoignition temperature:	Not applicable
Suitable extinguishing media:	water, dry powder, foam, carbon dioxide(CO ₂)
Special fire fighting:	Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.
Unusual fire/explosion hazards:	May emit hydrogen chloride(HCl) or Carbon Monoxide(CO) under fire conditions.

6. Accidental Release Measures

Personal precautions:	Wear appropriate personal protection during clean-up, such as impervious gloves, boots, and coveralls.
Environmental precautions:	Should not be released into the environment. The product should not be allowed to enter drains, water courses, or the soil.
Methods for cleaning up:	Clean up promptly by sweeping or vacuum. Package all material in plastic, cardboard, or metal containers for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

7. Handling and Storage

Handling:	Take measures to prevent the build-up of electrostatic charge. Heat only in areas with appropriate exhaust ventilation. Processing fume condensates may contain combustible or toxic residue. Periodically clean hoods, ducts, and other surfaces to minimize accumulation of these materials.
Storage:	Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in dry, cool place.

8. Exposure Controls/Personal Protection

Respiratory:	No personal respiratory protective equipment normally required.	
Eye/Face protection:	Safety glasses with side-shields.	
Hand protection:	Protective gloves.	Required for material in molten state.
Skin and body protection:	Long sleeved clothing.	Required for material in molten state.
Additional protective measures:	Safety shoes recommended.	
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and end of workday.	
Engineering measures:	Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery.	

Exposure Limits:

Components	Value	Exposure Time	Exposure Type	List
Calcium Carbonate	10mg/m ³	Time Weighted Average(TWA)	Total Dust	ACGIH
Calcium Carbonate	5mg/m ³	PEL	Respirable Fraction	OSHA Z1
Calcium Carbonate	15mg/m ³	PEL	Total Dust	OSHA Z1
Titanium dioxide	10mg/m ³	Time Weighted Average(TWA)	Total Dust	ACGIH
Titanium dioxide	15mg/m ³	PEL	Total Dust	OSHA Z1
Nuisance Dust	15mg/m ³	Time Weighted Average(TWA)	Total Dust	OSHA Z1
Nuisance Dust	10mg/m ³	Time Weighted Average(TWA)	Total Dust	ACGIH
Vinyl Chloride	1ppm	PEL, Time Weighted Average(TWA)	Respirable, 8 hours	OSHA Z1
Vinyl Chloride	5ppm	PEL, Time Weighted Average(TWA)	Respirable, 15 min	OSHA Z1
Vinyl Chloride	5ppm	TLV	8 hours	ACGIH
Wood Pulp/Fiber/Dust	15mg/m ³	Time Weighted Average(TWA)	Total Dust	OSHA Z1
Wood Pulp/Fiber/Dust	10mg/m ³	Time Weighted Average(TWA)	Total Dust	ACGIH

9. Physical and Chemical Properties

Physical Appearance: White, gray, light brown powder; profiles are various colors.	Odor: Very faint
Boiling Point: Solid	Specific Gravity: 1.25 - 1.50
	pH: Not applicable
Vapor Pressure: Solid	Melting Point: Not applicable/not determined
Solubility in Water: Not applicable	Vapor Density: Not applicable

10. Stability and Reactivity

Stability:	Stable at room temperatures less than 212°F.
Hazardous polymerization:	Will not occur.
Conditions to avoid:	Keep away from oxidizing agents and open flame. Do not overheat to avoid thermal decomposition (usually above 392°F for more than 10 minutes).
Incompatible materials:	Strong acids and oxidizing agents. Avoid mixing or contacting acetal homopolymers and acetal copolymers during processing.
Hazardous decomposition products:	Carbon dioxide (CO ₂), Carbon Monoxide (CO), oxides of nitrogen(NO _x) other hazardous materials, and smoke are all possible. Prolonged heating (>30 minutes or more) above 392°F(200°C) or short term heating at 482°F(250°C) may result in product decomposition and evolution of carbon monoxide and hydrogen chloride.

11. Toxicological Information

These mixtures or profiles have not been evaluated as a whole for health effects. Exposure effects are listed based on existing health data for the individual components which comprise the mixture or product.

Toxicity Overview

These products contain the following components which in their pure form have the following characteristics:

CAS-Number	Chemical Name	Effect	Target Organ
1317-65-3	Calcium Carbonate	Systemic Effect	Eyes, skin, respiratory system
		Irritant	Eyes, skin
13463-67-7	Titanium Dioxide	Systemic Effect	Respiratory system

Carcinogenicity:

These products contain the following components which in the pure form have the following carcinogenicity data:

CAS-Number	Chemical Name	OSHA	IARC	NTP
None Listed				

IARC Carcinogen Classification:

- 1 - the component is carcinogenic to humans.
- 2A - the component is probably carcinogenic to humans.
- 2B - the component is possibly carcinogenic to humans.

NTP Carcinogenic Classification:

- 1 - the component is known to be a human carcinogen.
- 2 - the component is reasonably anticipated to be a human carcinogen.

12. Ecological Information

Persistence and degradability:	Not readily degradable.
Environmental toxicity:	Adverse ecological impact is not know or expected under normal use.
Bioaccumulation potential:	No data available
Additional advice:	Not applicable.

13. Disposal Considerations

Product:	Like most thermoplastics, the product can be recycled. Where possible, recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation, and disposal in accordance with applicable local, state, and federal regulations.
Contaminated packaging:	Recycling is preferable. The generator of waste material has the responsibility of proper wast classification, transportation, and disposal in accordance with local, state, and federal regulations.

14. Transport Information

Storage/Transport Temperature:	Exposure to ambient temperature is acceptable. Care should be given to flat profile storage to prevent shape deformation, electrostatic accumulation or potential.
U.S. DOT Classification:	Not regulated for transportation.
ICAO/IATA:	Not regulated for transportation.
IMO/IMDG:	Not regulated for transportation.

15. Regulatory Information

U.S. Regulations:

OSHA Status: Classified as hazardous based on components.

TSCA Status: All components of these products are listed on or exempt from the TSCA inventory.

U.S. EPA CERCLA Hazardous Substances (40 CFR 302): Not applicable.

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

SARA Title III Section 302 Extremely Hazardous Substance: Not applicable.

SARA Title III Section 313 Toxic Chemicals:

Chemical Name	CAS-Number	Weight %
None listed.		

Canadian Regulations:

WHMIS Classification: D2B

WHMIS Ingredients Disclosure List: None listed.

DSL: All components are on the Canadian Domestic Substances List(DSL) or exempt.

National Inventories:

Australia AICS:	Listed.
China IECS:	Not determined.
Europe EINECS:	Not determined.
Japan ENCS:	Not determined.
Korea KECI:	Not determined.
Philippines PICCS:	Not determined.

16. Other Information

The information provided in this safety data sheet is correct to the best of Turncraft's knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for each material used in combination with any other materials or in any process, unless specified in the text. Turncraft products are intended for sale to industrial and commercial customers. We request our customers inspect and test our products before use, and satisfy themselves as to the contents and suitability for use. Turncraft disclaims any liability for damage or injury which results from the use of the information in this safety data sheet and nothing therein shall constitute a guarantee or warranty, including warranty of merchantability, or representation (including parent liability) with respect to the information, the product described, use for any specific purpose, (even if the purpose is known to Turncraft) unless specified in the text.