



HIGH PERFORMANCE WOOD COMPOSITES

## Material Safety Data Sheet

**Product: PVC Wood Composite**

**MSDS Date:** 12-21-03  
**Product Name:** PVC Wood Composite  
**Manufacturer:** Strandex Corporation

### I. Product and Company Description

Strandex Corporation  
1621 Beld Street  
Madison, Wisconsin 53725

**Product Information/Emergency Phone Number:**  
(608) 255-8733

### II. Chemical Composition

Component	CAS#	%Composition
Wood Flour	NA	40-70
PVC	NA	30-60

### III. Hazards Identification

#### A. Emergency Overview:

**Physical Appearance and Odor:**  
Shiny, tan solid with no odor.

#### B. Potential Health Effects:

**Acute Eye:**

Vapors or fumes emitted during processes involving elevated temperatures may cause eye irritation. Dust resulting from the handling of powder may be irritating to the eyes.

**Acute Skin:**

Vapors or fumes emitted during processes involving elevated temperatures may cause skin irritation. Dust resulting from the handling of powder may be irritating to the skin.

**Acute Inhalation:**

May cause irritation to the respiratory tract and mucous membranes.

**Acute ingestion:**

Slightly toxic by ingestion. Powder form may become airborne during handling, resulting in the potential for incidental ingestion. Vapors or fumes emitted during processes involving elevated temperature may be ingested at low levels.

**Chronic effects:**

ND



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### IV. First Aid Measures

#### First Aid Measures for Accidental Exposure:

**Eye Exposure:**

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. Remove contact lenses after flushing.

**Skin Exposure:**

Wash affected area with soap and water. Get medical attention if irritation develops or persists.

**Inhalation:**

Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

**Ingestion:**

Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention.

### V. Fire Fighting Measures

#### Fire Hazard Data:

**Flash Point:** 684 °F  
**Method Used:** (ASTM 1929)

**Ignition Temperature:** 761 °F

**Flammability Limits (vol/vol%):** Lower: ND Upper: ND

**Extinguishing Media:**

Water spray or CO<sub>2</sub>

**Special Fire Fighting Procedures:**

Do not allow fire fighting runoff water to enter streams, rivers or lakes. The water may collect HCl and other combustion products.

**Unusual Fire and Explosion Hazards:**

None.

**Hazardous Decomposition Materials (Under Fire Conditions):**

Combustion produces oxides of carbon and hydrogen chloride.

### VI. Accidental Release Measures

**Cleanup and Disposal of Spill:**

Normal housekeeping practices. Sweep or vacuum clean.



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Dispose of materials according to the applicable Federal, State, or local regulations.

### VII. Handling and Storage

**Handling:**

Use with adequate ventilation. Avoid inhalation, and contact with eyes or skin.

**Storage:**

Store in a well-ventilated, dry place. Keep containers closed. Avoid excessive heat.

### VIII. Exposure Controls / Personal Protection

**Exposure Guidelines:**

Component	Exposure limits		
	ACGIH	NIOSH	OSHA-PELs
Wood Flour	1 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup> STEL	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> , total dust 5 mg/m <sup>3</sup> respirable
PVC	ND	ND	ND

**Engineering Controls:**

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

**Respiratory Protection:**

Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH approved respirator when necessary.

**Eye / Face Protection:**

Wear appropriate safety glasses with side shields or chemical goggles as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN166.

**Skin Protection:**

Chemical resistant gloves recommended, such as neoprene or nitrile rubber. Body covering clothing should be utilized

### IX. Physical and Chemical Properties

**Physical Appearance:** Shiny, tan solid

**Odor:** None

**pH:** ND

**Specific Gravity:** ND

**Water Solubility:** Insoluble

**Melting Point Range:** NA



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Boiling Point Range: ND

Vapor Pressure: ND

Density: ND

Percent Volatile: ND

Evaporation Rate: ND

### X. Stability and Reactivity

**Chemical Stability:**

Stable under standard use and storage conditions.

**Conditions to Avoid:**

Keep away from heat.

**Materials / Chemicals to be Avoided:**

Acetal or acetal copolymers in elevated temperature processing equipment.

**Hazardous Decomposition Products:**

Carbon oxides and hydrogen chloride.

**Hazardous Polymerization:**

Should not occur

### XI. Toxicological Information

**Acute Oral Toxicity:**

ND

**Acute Dermal Toxicity:**

ND

**Acute Inhalation Toxicity:**

ND

**Chronic Toxicity:**

ND

### XII. Ecological Information

**Ecotoxicological Information:**

Degradation: Not Determined

Accumulation: Not Determined



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**Product: PVC Wood Composite**

Fish-Toxicity: Not Determined

Chemical Fate Information:  
Not Determined

**XIII. Disposal Considerations**

**Waste Disposal Method:**  
Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

**Container Handling and Disposal:**  
Dispose of container and unused contents in accordance with federal, state, and local regulations.

**XIV. Transportation Information**

US Department of Transportation Shipping Name:

US Department of Transportation	Proper Shipping Name	Not regulated
	Hazard Class	Not regulated
	ID Number	Not regulated
	Packaging Group	Not regulated

**XV. Regulatory Information**

**Federal Regulations:**

**SARA Title III Hazard Classes:**  
Fire Hazard: NO  
Reactive Hazard: NO  
Release of Pressure: NO  
Acute Health Hazard: YES  
Chronic Health Hazard: NO

**SARA Section References:**  
Section 302 (RQ)  
None  
Section 302 (TPQ)  
None  
Section 313  
None

**Toxic Substances Control Act (TSCA):** All components are included in the inventory or are not required to be listed.



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### Other Regulations:

**State:**

California Prop. 65: None of the chemicals in this product are listed.

### **XVI. Other Information**

**National Fire Protection Association Hazard Ratings – NFPA(R):**

Health Hazard:	1
Flammability:	0
Reactivity:	0

#### **Key Legend Information:**

N/A – Not Applicable

ND – Not Determined

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

TLV – Threshold Limit Value

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research on Cancer

The information contained herein is based on the data available to us and is believed to be correct. However Strandex Corporation makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.