

# MATERIAL SAFETY DATA SHEET

MSDS Number: TC002004

Revision Date: May 2007

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** TAM RAIL

**USE & DESCRIPTION:** Railing Material

**CHEMICAL FAMILY:** None

**MANUFACTURED FOR:**

EPOCH Composite Products, Inc.  
PO Box 567

Lamar, MO 64759

**EMERGENCY TELEPHONE NUMBERS;**

General Information: 1-800-405-0546 (8 a.m. - 5 p.m. EST)

1-417-624-6644 (8 a.m. - 5 p.m. CST)

Chemtrec: 1-800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Cas No.	% by Wt.	Exposure Limits*				
			OSHA		ACGIH		Unit
			TWA	STEL	TWA	STEL	
Polyvinyl Chloride Compound(PVC)	N/A	65-70%	15 mg/m <sup>3</sup>	N/A	10 mg/m <sup>3</sup>	N/A	mg/m <sup>3</sup>
Wood Flour (Cellulose)	9004-34-6	40-45%	15 mg/m <sup>3</sup>	N/A	10 mg/m <sup>3</sup>	N/A	mg/m <sup>3</sup>
Total Dust			5 mg/m <sup>3</sup>	N/A	N/A	N/A	mg/m <sup>3</sup>
Respirable Dust			5 mg/m <sup>3</sup>	N/A	1 mg/m <sup>3</sup>	N/A	mg/m <sup>3</sup>
Hard Wood Dust			5 mg/m <sup>3</sup>	N/A	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	mg/m <sup>3</sup>
Soft Wood Dust			2.5mg/m <sup>3</sup>	N/A	N/A	N/A	mg/m <sup>3</sup>
Western Red Cedar							
Vinyl Chloride (Chloroethene)	75-01-4	Trace	1 ppm	N/A	5 ppm	5 ppm	ppm

\*See Section 8 for additional relevant exposure limits

NA=Not Available

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** U.S. OSHA Hazard Communication Standard: This product may be used in applications that produce wood fibers. According to OSHA 29 CFR 1910.1200, certain wood fibers are considered hazardous if the workplace airborne concentration exceeds the OSHA or ACGIH exposure limits (see section 8).

<u>HMIS Rating:</u> Health - 1 Flammability - 1 Reactivity - 0	<u>NFPA Rating:</u> Health - 2 Flammability - 1 Reactivity - 0
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**Potential Health Effects:** Effects of Overexposure: Dust can irritate nose, throat and respiratory tract and cause irritation in the eyes. Repeated exposures to certain wood dusts can produce allergic skin and respiratory reactions including asthma and rhinitis. Inhalation of certain wood fibers can cause nasal cancer.

### 4. FIRST AID MEASURES

**EYE CONTACT:** Flush with water. If irritation occurs, contact appropriate health care professional.

**SKIN CONTACT:** Wash with soap and water.

**INGESTION:** Not expected to be a problem when ingested.

**INHALATION:** Remove person to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek medical attention.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT (METHOD):** 682 °F (COC)

**FLAMMABLE LIMITS (% VOLUME IN AIR - SOLVENT COMPONENT):**

Lower = N/A

Upper = N/A

**AUTOIGNITION TEMPERATURE:** 653 °F

**EXTINGUISHING MEDIA:** Use water or an appropriate fire extinguisher.

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters must use self-contained breathing apparatus in enclosed area.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion.

## 6. ACCIDENTAL RELEASE MEASURES

**PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED:** Material is inert.

**WASTE DISPOSAL METHODS:** Place into container for reuse or disposal.

## 7. HANDLING AND STORAGE

**STORAGE TEMPERATURE:** No specific storage procedures required.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Do not use in applications where heavy structural loads must be supported or bracing is required, or directly adjacent to any high heat applications. See installation instructions for more details. Do not burn in fireplace or use as firewood.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Not normally required. Provide ventilation to control nuisance dust levels to worker exposure limits.

**EYE PROTECTION:** Safety goggles or safety glasses with side shields should be worn. Eye wash station and safety shower should be provided.

**SKIN:** Protective gloves should be worn when handling hot material.

**VENTILATION:** Special ventilation is not normally required. However, efficient exhaust should be provided at all operations capable of creating fumes or vapors. Cutting, sawing, machining, heat welding, thermoforming and other operations involving heat sufficient to result in degradation should be examined to ensure adequate ventilation.

### EXPOSURE GUIDELINES

Additional potentially relevant exposure limits are listed below:

Components	CAS No.	Exposure Limits				Unit
		OSHA		ACGIH		
		TWA	STEL	TWA	STEL	

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** There are various colors of vinyl products. No odor.

**BOILING POINT:** None

**MELTING POINT:** None

**SPECIFIC GRAVITY:** N/A

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY (AIR = 1):** N/A

**% VOLATILE, BY VOLUME:** N/A

**SOLUBILITY IN WATER:** Insoluble

**OTHER PHYSICAL AND CHEMICAL DATA:** Solid

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable.

**CONDITIONS TO AVOID:** High dust levels may create potential for explosion.

**HAZARDOUS POLYMERIZATION:** None

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**11. TOXICOLOGICAL INFORMATION:** IARC has determined that there is sufficient evidence to classify wood fiber and vinyl chloride as human carcinogens. When wood fiber and PVC is incorporated into a polymer matrix exposure is virtually eliminated.

**12. ECOLOGICAL INFORMATION:** No Data

**13. DISPOSAL CONSIDERATIONS:** RCRA Information: The unused product, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261 D), nor does it contain raw materials that are listed as hazardous wastes. It does not exhibit the hazardous characteristics and does not contain Toxicity Characteristic Leaching Procedure (TCLP) compounds. Dispose of as per regulatory requirements.

**14. TRANSPORT INFORMATION:** For domestic transportation purposes, these products are not defined or designated as a hazardous material by the U.S. Department of Transportation under Title 49 of the Code of Federal Regulations, 1983 Edition.

**15. REGULATORY INFORMATION**

**TOXIC SUBSTANCES CONTROL ACT (TSCA):**

**COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA):** This product is not manufactured with, nor does it contain any Class I Ozone depleting chemicals as defined by EPA in Title VI of the Clean Air Act Amendments of 1990 40 CFR, Part 82, Protection of Stratospheric Ozone.

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III:**

SECTION 311/312 HAZARD CATEGORIES: None

SECTION 313 REPORTABLE INGREDIENTS: None

Chemical Name	CAS Number	Concentration (% by Wt.)

**CALIFORNIA PROPOSITION 65:** Labeling required.

## 16. OTHER INFORMATION

Preparation Date: March 30, 2006

Revision:

- May 2007 (Formatting Issues)

Replaces: None

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