

## TAMKO BUILDING PRODUCTS, INC. SAFETY DATA SHEET - T07F2015

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**TRADE NAME:** TAMKO Composite Railings  
**LABEL:** TAM-RAIL Post Sleeve, Baluster, Rail  
**USE & DESCRIPTION:** Deck railing material  
**CHEMICAL FAMILY:** Mixture

**MANUFACTURED BY:**  
 TAMKO Building Products, Inc.  
 P. O. Box 1404  
 Joplin, MO 64802-1404  
 www.TAMKO.com

**EMERGENCY TELEPHONE NUMBERS:**  
 General Information: 1-417-624-6644 (8 a.m. - 5 p.m. CST)  
 Chemtrec: 1-800-424-9300 (24 HOURS)

**2. HAZARDS IDENTIFICATION**

**SIGNAL WORD:** Danger

**GHS CLASSIFICATION:** Carcinogenicity – Category 1A  
 Sensitization (Skin) – Category 1  
 Sensitization (Respiratory) – Category 1  
 Eye Irritation – Category 2B  
 Specific Target Organ Toxicity, Single Exposure – Category 3  
 Combustible Dust

**HAZARD STATEMENTS:**

May cause cancer  
 Causes eye irritation  
 May cause respiratory irritation  
 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 May cause an allergic skin reaction.  
 May form combustible dust concentrations in air



Additional hazard information: Can cause silicosis and other permanent lung damage. Dust from sawing, drilling, etc. is combustible and could cause explosion in confined space.

**PRECAUTIONARY STATEMENTS:**Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.  
 Avoid breathing dust. Wear protective gloves/protective clothing/eye protection/face protection.  
 Use only outdoors or in a well-ventilated area. Wash hands and exposed skin thoroughly after handling.  
 In case of inadequate ventilation, wear respiratory protection.

Response

If on skin: Wash with plenty of water. Specific treatment: See section 4-First Aid  
 In case of fire: See Section 5. Take off contaminated clothing and wash before reuse.  
 Get medical advice/attention: If exposed or concerned or you feel unwell, if eye, skin and or respiratory irritation persists.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing.

Storage

Store locked up, in a well-ventilated place.

Disposal

Dispose in accordance with Federal, State, and Local regulations. (See section 13 for additional information).

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS No.	% by Weight
Wood Dust*	NE	50-60
*Can Contain Formaldehyde	50-00-0	0.1-1
Plastic	NE	30-40
Proprietary Additives	NE	5-10
Limestone**	1317-65-3	10-15
**Contains Crystalline Silica (Quartz)	14808-60-7	0.1-1

NE = Not established

**4. FIRST AID MEASURES**

**EYE CONTACT:** Immediately flush eyes with plenty of cool water for at least 20 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Get medical attention if irritation persists.

**SKIN CONTACT:** Clean any exposed skin with warm soapy water if possible. If not, and a waterless hand cleaner is used, it should be without pumice. Get medical attention if irritation persists or develops.

**INGESTION:** If swallowed, do not induce vomiting. If vomiting occurs, keep head lower than hips to avoid aspiration of vomit into the lungs which can cause inflammation or pneumonitis. Call poison control center or get immediate medical attention.

**INHALATION:** If inhalation of dust occurs remove person to fresh air. Drink water to clear throat or blow nose to clear. If not breathing, give artificial respiration or give oxygen by trained personnel and get immediate medical attention.

**NOTES TO PHYSICIAN:** Treatment should be based on removing the source of irritation with treatment of symptoms as necessary.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry chemical, CO<sub>2</sub>, or foam fire extinguisher should be used for small fires. Avoid use of straight-stream water.

**SPECIAL FIRE FIGHTING PROCEDURES:** Avoid breathing fumes. Firefighters should not enter confined spaces without wearing NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** When heated, fumes may burn if ignition source is provided. Burning product will cause thick black smoke.

**SEE SECTION 10 FOR COMBUSTION PRODUCTS**

## 6. ACCIDENTAL RELEASE MEASURES

**PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED:** Pick up large pieces. Do not dry sweep dusts or blow with air in confined area.

**WASTE DISPOSAL METHODS:** Dispose in accordance with applicable Federal, State, and Local regulations. Do not burn.

## 7. HANDLING AND STORAGE

**STORAGE TEMPERATURE:** Store away from heat, all ignition sources and open flames in accordance with applicable laws and regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Follow recommended work practices and use recommended personal protective clothing and equipment. Dust from sawing, drilling, etc. is combustible and could cause explosion in confined space. **THIS PRODUCT SHOULD NOT BE HEATED OR BURNED USING A DIRECT FLAME DEVICE.**

See Section 8 of this SDS.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE LIMITS

Components Raw Products	CAS No.	OSHA		ACGIH		Unit
		TWA	STEL	TWA	STEL	
Limestone†	1317-65-3	15/5*	NE	10/3*	NE	mg/m <sup>3</sup>
Wood Dust††	NE	15/5*	NE	1/0.5**	NE	mg/m <sup>3</sup>
Plastic	NE	15/5*	NE	10/3*	NE	mg/m <sup>3</sup>
†Contains Crystalline Silica Quartz	14808-60-7	0.05	NE	0.025	NE	mg/m <sup>3</sup>
††Can Contain Formaldehyde	50-00-0	0.75	2	NE	0.3	ppm

NE= Not established.

Note: Due to the form of the product, hazardous exposures from this product are not expected to occur.

\* Total Nuisance Dust/Respirable Dust.

\*\* Hardwood/Softwood: TWA for inhalable fraction.

**RESPIRATORY PROTECTION:** Normally not needed in well-ventilated areas. However, if applicable exposure standards are exceeded or can be exceeded, introduce ventilation to remove dust. If increased ventilation is not possible, use a NIOSH/MSHA approved air-purifying respirator. If concentrations are sufficiently high that this respirator is inadequate, or high enough to cause oxygen deficiency, use a positive pressure self-contained breathing apparatus (SCBA). Follow all applicable respirator/SCBA use, fitting, and training standards and regulations.

**VENTILATION:** Use only with adequate ventilation to maintain exposures below applicable exposure limits.

**EYE PROTECTION:** Safety glasses with side-shields should be used if eye contact is possible.

**SKIN:** Use leather or cotton gloves and long-sleeve cotton shirt if exposure to dust is possible. Wear footwear with adequate traction to prevent slipping and falling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Colored wood grained rails, post sleeve, baluster.
Odor Threshold	Not Applicable
pH:	Not Applicable
Boiling Point:	Not Applicable
Melting Point:	Not Applicable
Flash Point:	Not Applicable
Autoignition Temperature:	Not Applicable
Viscosity:	Not Applicable
Decomposition Temperature:	Not Applicable

Upper/Lower Flammability or Explosive Limits:	Not Applicable
Vapor Pressure:	Not Applicable
Vapor Density (Air = 1):	Not Applicable
Specific Gravity/Relative Density:	Variable
Solubility (IES):	Not Applicable
Initial Boiling Point and Boiling Range:	Not Applicable
Evaporation Rate (Butyl Acetate = 1):	Not Applicable
Flammability(Solid and Gas):	Not Applicable
Partition Coefficient: N-Octanol/Water:	Not Applicable

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Non-reactive.

**CHEMICAL STABILITY:** Stable

**CONDITIONS TO AVOID:** Keep from heat, sparks, open flame and other sources of ignition. Avoid contact with strong oxidizing agents. **THIS PRODUCT SHOULD NOT BE HEATED OR BURNED USING A DIRECT FLAME DEVICE.**

**HAZARDOUS REACTION:** Polymerization will not occur.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong acids or bases, oxidizing agents and selected amines.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide, ozone, hydrogen sulfide and various hydrocarbons during heating or burning. These combustion products are not expected unless product is heated or burned.

## 11. TOXICOLOGICAL INFORMATION

**EYE** – May cause eye irritation.

**SKIN** – May cause skin irritation.

**INHALATION** – Dust may cause upper respiratory irritation.

**INGESTION** – May cause harmful effects if swallowed.

**THE FOLLOWING COMPONENT DATA IS PROVIDED FOR USER INFORMATION:****SILICA**

**Cancer** - This product contains crystalline silica (quartz). IARC has determined that crystalline silica inhaled in the form of quartz from occupational sources is carcinogenic to humans (Group 1). IARC concluded that there was sufficient evidence in humans and animals for the carcinogenicity of inhaled crystalline silica in the form of quartz from occupational sources. The NTP has classified silica as known to be a human carcinogen. The physical nature of this product may help limit any inhalation hazard from crystalline silica during application. However, physical forces such as sawing, grinding, and drilling this product may liberate crystalline silica dust.

**Acute Effects** - Exposure to silica dust can cause irritation of the eyes, nose and throat. Exposure to high concentrations can also cause Accelerated Silicosis causing progressive shortness of breath, fever, coughing, and weight loss.

**Chronic Effects** – In addition to cancer, breathing of silica over a period of time can cause damage to the lung tissue or silicosis after long exposure at low concentrations causing shortness of breath, fever, coughing, and weight loss. Prolonged and repeated exposure to respirable silica- containing dust can cause bronchitis, autoimmune disease, kidney disease, tuberculosis, and nonmalignant respiratory disease.

**WOOD DUST**

**Cancer** - This product contains wood dust. NTP and IARC have classified wood dust as a known human carcinogen. IARC concluded that there was increased risk of adenocarcinomas of the nasal cavities and paranasal sinuses. The physical nature of this product may help limit any inhalation hazard from wood dust during application. However, physical forces such as grinding and drilling may liberate wood dust.

**Acute Effects** - Exposure to wood dust can cause irritation of the eyes, nose and throat causing shortness of breath, dryness and soreness of the throat, sneezing, tearing and conjunctivitis.

**Chronic Effects** – In addition to cancer, breathing of wood dust over a period of time can cause damage to the lung tissue and shortness of breath.

**12. ECOLOGICAL INFORMATION:**

**Environmental Fate:** No data available

**Environmental Toxicity** – No data available

**Persistence and degradability** – No data available

**Bioaccumulative potential** – No data available

**Mobility in Soil** – No data available

**Other adverse effects (GHG, Ozone)** - No data available

**13. DISPOSAL CONSIDERATIONS:**

This product has not been regulated as a hazardous waste by the USEPA. Dispose in accordance with Federal, State, and Local regulations.

**14. TRANSPORT INFORMATION:**

This product is not regulated as a hazardous material for transport under 49 CFR or for vessel transport under the IMDG Code.

**UN number:** Not applicable

**UN Proper Shipping Name:** Not applicable

**Packing Group, if applicable:** Not applicable

**Environmental Hazards:** Not applicable

**Transport in bulk:** Not applicable

**Special Precautions:** Not applicable

**15. REGULATORY INFORMATION**

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** Some components in this product are listed on the TSCA Inventory.

**COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA):** None

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

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazard Categories: Immediate Health; Delayed Health; Fire Hazard

Section 313 Reportable Ingredients: This material contains Formaldehyde (CAS# 50-00-0), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

California Proposition 65:  **WARNING:** Cancer and Reproductive Harm – [www.P65Warnings.ca.gov/product](http://www.P65Warnings.ca.gov/product).

**16. OTHER INFORMATION**

<b>HMS Rating:</b>	<b>NFPA Rating:</b>
Health - * 1	Health - 1
Flammability - 1	Flammability - 1
Reactivity - 0	Reactivity - 0

Preparation Date: **April 2015**

Revision Date: **February 2017**

- Revisions:
- Updated Use and Description in Section 1
  - Updated components and % by weight in Section 3
  - Updated raw materials, table footnotes, changed OSHA TWA for crystalline silica quartz and corrected typo in Section 8
  - Updated format in Section 9
  - Updated California Proposition 65 warning language in Section 15

**Disclaimer of Liability**

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