

## TAMKO BUILDING PRODUCTS, INC. SAFETY DATA SHEET - T07G2015

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

TRADE NAME: TAMKO Composite Railings

LABEL: MARQUEE Post Sleeve, Baluster, Rail

USE &amp; 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 an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May form combustible dust concentrations in air.

Additional hazard information: Dust from sawing, drilling, etc. is combustible and could cause explosion in confined space.

**PRECAUTIONARY STATEMENTS:**Prevention

Obtain special instructions before use.

Avoid breathing dust.

Use only outdoors or in a well-ventilated area.

In case of inadequate ventilation, wear respiratory protection.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash hands and exposed skin thoroughly after handling.

Response

If on skin: Wash with plenty of water.

Get medical advice/attention: If exposed or concerned or you feel unwell, if eye, skin and or respiratory irritation persists.

Specific treatment: See section 4-First Aid In case of fire: See Section 5.

Take off contaminated clothing and wash before reuse.

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
Plastic	NE	60-80
Wood Dust*	NE	20-30
*Can Contain Formaldehyde	50-00-0	0.1-1
Proprietary Additives	NE	5-10
Talc	14807-96-6	5-10
Titanium Dioxide	13463-67-7	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:** Combustible. 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	
Talc	14807-96-6	20 mppcf*	NE	2**	NE	mg/m <sup>3</sup>
Wood Dust†	NE	15/5***	NE	1/0.5****	NE	mg/m <sup>3</sup>
†Can Contain Formaldehyde	50-00-0	0.75	2	NE	0.3	ppm
Titanium Dioxide	13463-67-7	15*****	NE	10	NE	mg/m <sup>3</sup>
Plastic	NE	15/5***	NE	10/3***	NE	mg/m <sup>3</sup>

NE= Not established.

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

\* Respirable fraction containing less than 1% quartz.

\*\* Respirable fraction.

\*\*\* Total Nuisance Dust/Respirable Dust.

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

\*\*\*\*\* Total dust.

**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 rail, 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:

#### 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.

#### TITANIUM DIOXIDE

**Cancer** - Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as Group 2B "possibly carcinogen to humans". IARC determined that high concentrations of pigment-grade (powdered) and ultrafine titanium dioxide dust caused respiratory tract cancer in rats exposed by inhalation and intratracheal instillation. The series of biological events or steps that produced the rat lung cancers (e.g. particle deposition, impaired lung clearance, cell injury, fibrosis, mutations and ultimately cancer) have also been seen in people working in dusty environments. Therefore, IARC considered the animal data relevant to people doing jobs with exposures to titanium dioxide dust.

**Acute Effects**- Skin exposure to titanium dioxide is a mild irritant and may cause mechanical irritation (irritation from frictional action but is believed not to be absorbed through intact skin. Dust may cause mechanical irritation (irritation from frictional action) of eyes. May cause gastrointestinal (digestive) tract irritation with nausea, vomiting and diarrhea if swallowed. It is not absorbed following ingestion. Dust may be harmful if inhaled and causes respiratory tract irritation. May affect respiration and blood.

**Chronic Effects** - Heavy occupational dust exposures may cause chronic rhinitis, chronic bronchitis, impaired pulmonary function, resemblance of silicosis without any fibrosis, functional change in trachea or bronchi, chronic pulmonary edema.

## 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: None

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

**16. OTHER INFORMATION**

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

Preparation Date: **April 2015**Revision Date: **February 2017**

Revisions: Updated Use & Description in Section 1  
Updated % by weight in Section 3  
Corrected typos in Sections 3 and 8  
Updated OELs and table footnotes in Section 8  
Updated appearance in Section 9  
Updated California Proposition 65 warning language in Section 15

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