

Safety Data Sheet

Thin Chips

SDS No. 9647.1

Date of Preparation: 1/5/17

Revision: 11/6/18

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Thin Chips

Synonyms: Filled resin

General Use: Used as a component of granite effect fillers to accent and highlight color.

Manufacturer: The R. J. Marshall Company

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Date Revised: 11/6/18

Preparer: Stephanie Nichols

Section 2 - Hazards Identification

Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 (CLP): Not classified

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not classified

Hazard Pictogram: None

Hazard Statements: None

Precautionary Statements: None

Other hazards: None

HMIS

H 1

F 0

R 0

PPE^{† E}

[†]Sec. 8

Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	Weight
Barium Sulfate	7727-43-7	70-85%
Titanium Dioxide	3463-67-7	0-10%
Proprietary Resins	N/E	10-15%
Pigments	N/A	<3%

Section 4 - First Aid Measures

Inhalation: If overcome by high dust concentrations, remove to a ventilated area.

Eye Contact: Flush eyes thoroughly for at least 15 minutes taking care to rinse under eyelids. Do not scrub. Abrasion may cause irritation. If discomfort continues, continue to wash with water. If irritation persists, consult a physician.

Skin Contact: Wash skin thoroughly with soap and water.

Ingestion: If swallowed, dilute with large amounts of water. Seek medical advice.

Most important symptoms and effects, both acute and delayed: None

Indication of any immediate medical attention and special treatment needed: None

Section 5 - Fire-Fighting Measures

Suitable Extinguishing Media: Use extinguishing measures appropriate to the surrounding fire.

Unsuitable Extinguishing Media: None

Special hazards arising from the chemical: None.

Hazardous Combustion Products: None.

Fire-Fighting Instructions: None

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Avoid dust formation. In case of inadequate ventilation wear respiratory protection.

Environmental precautions: None.

Methods and materials for containment and cleaning up: Normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum cleaning systems are recommended.

Section 7 - Handling and Storage

Precautions for safe handling: Avoid generating dust during handling.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed. Store in dry place.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Protective Clothing/Equipment: Use of dust respirator recommended when exposure limits may be exceeded. Use leather or rubber gloves. Use other PPE as appropriate for specific application.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Barium Sulfate	15 mg/m ³ total, 5 mg/m ³ respirable	none estab.	5 mg/m ³ inhalable fraction	none estab.
Titanium Dioxide	15 mg/m ³ total	none estab.	10 mg/m ³	none estab.

Section 9 - Physical and Chemical Properties

Physical State: solid

Appearance and Odor: various colors, odorless

Odor Threshold: n/e

pH: not established

Freezing/Melting Point: not applicable

Boiling Point: not applicable

Flash Point: Not applicable.

Flash Point Method: Not flammable.

Evaporation Rate: not applicable

Flammability: Not flammable.

Upper/lower flammability or explosive limits: not applicable

Vapor Pressure: not applicable

Vapor Density (Air=1): not volatile

Relative Density: 3.6

Water Solubility: Insoluble

Other Solubilities: none known

Partition coefficient: n-octanol/water; not applicable

Auto-ignition Temperature: Does not ignite.

Decomposition temperature: 600°F

Viscosity: not applicable

Section 10 - Stability and Reactivity

Reactivity: None known.

Chemical stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: No hazardous reactions known.

Conditions to avoid: Temperature >600°F (315.5°C).

Incompatible materials: None known

Hazardous decomposition products: None known.

Section 11- Toxicological Information

Information on the likely routes of exposure: Eye, Skin, Inhalation

Symptoms related to the physical, chemical, and toxicological characteristics:

Eye Effects: Not expected to cause prolonged or significant skin or eye irritation.

Skin Effects: May cause irritation. Not expected to cause prolonged or significant skin irritation.

Acute Inhalation Effects: Mild bronchial irritation may occur.

Acute Oral Effects: Large quantities may cause irritation to the mouth, throat, and gastrointestinal tract resulting in nausea and vomiting.

Delayed and immediate effects and also chronic effects from short and long-term exposure: Heavy extended industrial exposure to the dust may produce benign pneumoconiosis termed "baritosis." Mild bronchial irritation may occur.

Numerical measures of toxicity:

Acute:

	Value
Oral	No data available
Dermal	No data available
Inhalation	No data available
Skin Corrosion	No data available
Skin Irritation	No data available
Eye Irritation	No data available
Sensitization	No data available

Repeated dose toxicity:

	Value
Oral	No data available
Inhalation	No data available

Carcinogenicity: Not listed with NTP, IARC, or OSHA as a known or suspected carcinogen.

Section 12 - Ecological Information

Eco-toxicity: None known.

Persistence and degradability: Not applicable for inorganic substances.

Bio-accumulative potential: Not applicable

Mobility in soil: Not applicable.

Results of PBT and vPvB assessment: This product does not meet the classification as PBT/vPvB.

Other adverse effects: None known.

Section 13 - Disposal Considerations

Disposal: Recycle if possible or landfill. This substance is inert and does not require special disposal methods. Follow applicable Federal, state, and local regulations.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101): This product is not classified as dangerous under the transport regulations for road, rail, sea, or air transport.

UN Number: not classified as dangerous goods

UN proper shipping name: not classified as dangerous goods

Transport hazard classes: None

Packaging group: None

Environmental hazards: None

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No hazardous goods.

Special precautions for user: None

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
 RCRA Hazardous Waste Classification (40 CFR 261.??): Not classified
 CERCLA Hazardous Substance (40 CFR 302.4) not listed
 SARA Toxic Chemical (40 CFR 372.65): Not listed
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
 OSHA Specifically Regulated Substance (29CFR 1910.????)

International Regulations:

Regulation (EC) No 2037/2000 (Ozone Depleting Substances); Not applicable
 Regulation (EC) No 850/2004 (Persistent Organic Pollutants): Not applicable
 Regulation (EC) No 689/2008 (Export and Import of Dangerous Substances): Not applicable
 Directive 2002/95/EC (RoHS): Not applicable
 Directive 2002/96/EC (WEEE): Not applicable
 Directive 1999/13/EC (VOC): Not applicable
 Restrictions according to TITLE VIII of the Regulation (EC) No 1907/2006 (REACH): None

WEEE: Waste Electrical and Electronic Equipment

VOC: Volatile Organic Compounds

RoHS: Restriction of Hazardous Substances

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: reviewed 11/6/18

Product Grades Available from the R. J. Marshall Company (this list may be incomplete):

F1000	F1050	F1060	F1425	F1785
F1800	F1820	F5114	F5117	F5306
F6601	F6606	F9800	F9955	F9959
F9960	F9987	F9996		

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