

Safety Data Sheet

Densified Chips

MSDS No. 9648.18

Date of Preparation: 12/10/96

Revision: 2/6/15

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Densified Chips

Synonyms: Filled Polyester

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

Manufacturer: The R. J. Marshall Company

26776 W. 12 Mile Road

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Phone: (248) 353-4100, Fax: (248) 948-6460

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Date Revised: 2/6/15

Preparer: Stephanie Nichols

Section 2 – Hazards Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200: Not hazardous.

Signal words: None

Symbol: None

Hazard statements: None

Precautionary statements:

P261: Avoid breathing dust.

P280: Wear eye protection.

P285: In case of inadequate ventilation wear respiratory protection.

P301+313+330: IF SWALLOWED: Rinse mouth, get medical advice.

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do-continue rinsing.

P302+352: IF ON SKIN: Wash with soap and water.

P402: Store in a dry place.

HMIS

H 1

F 0

R 0

PPE† E

†Sec. 8

Hazards not otherwise classified: None

Section 3 – Composition/Information on Ingredients

Ingredient Name

Alumina Trihydrate

Unsaturated polyester resin

CAS Number

21645-51-2

Section 4 - First Aid Measures

Inhalation: If overcome by high dust concentrations, remove to a ventilated area. Seek medical attention for any symptoms that may develop.

Eye Contact: Flush eyes thoroughly 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. Consult a physician if irritation persists.

Ingestion: Consult a physician.

Most important symptoms/effects, acute and delayed: None

Indication of immediate medical attention and special treatment needed: None

Section 5 - Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, carbon dioxide, or other dry chemical.

Unsuitable Extinguishing Media: None known.

Unusual Fire or Explosion Hazards: None known.

Hazardous Combustion Products: May include carbon monoxide, carbon dioxide, smoke, oxides of nitrogen, and styrene.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

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: Sweep up and dispose in accordance with local regulations.

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: Wear protective eyeglasses.

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
Alumina Trihydrate as Nuisance Dust	15 mg/m ³ total, 5 mg/m ³ respirable	none estab.	none estab.	none estab.
Filled Polyester	none estab.	none estab.	none estab.	none estab.

Section 9 - Physical and Chemical Properties

Appearance: Dyed amorphous particle.

Odor: odorless

Odor Threshold: n/e

pH: n/e

Freezing/Melting Point: n/a

Boiling Point: n/a

Flash Point: n/a

Flash Point Method: n/a

Evaporation Rate: n/a

Flammability: not flammable

Upper/lower flammability or explosive limits: n/a

Vapor Pressure: n/e

Vapor Density (Air=1): n/a

Relative Density: 1.7

Water Solubility: Insoluble

Other Solubilities: n/a

Partition coefficient: n-octanol/water; n/a

Auto-ignition Temperature: Not determined.

Decomposition Temperature: n/a

Viscosity: n/a

Section 10 - Stability and Reactivity

Reactivity: None known.

Chemical Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: No hazardous reactions known.

Conditions to Avoid: None known.

Incompatible materials: Strong acids or alkaline may destroy surface appearance.

Hazardous Decomposition Products: Thermal oxidative decomposition may produce carbon monoxide, carbon dioxide, smoke, oxides of nitrogen, and styrene.

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: Nuisance dust. May cause irritation through mechanical abrasion.

Skin Effects: Nuisance dust. May cause irritation through mechanical abrasion.

Acute Inhalation Effects: Overexposure to dust may cause irritation to the respiratory tract.

Acute Oral Effects: None known.

Delayed and immediate effects and also chronic effects from short and long-term exposure: None known.

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: Neither this product nor any of its components are considered carcinogenic by OSHA, IARC, NTP, or ACGIH.

Section 12 - Ecological Information

Ecotoxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative 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 or landfill if possible. 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: Not hazardous.

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

TSCA

This substance or all of its components are on the Chemical Substances Inventory of the Toxic Substance Control Act (TSCA Inventory [USA]). Please note that this product is not subject to any legal reporting requirements under these acts.

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: updated to SDS

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

DC10	DC46	DC101	DC133	DC730	HGS17	BR Blends	SC005	SC614
DC11	DC50	DC102	DC134	DC731	HGS18	DX Blends	SC010	SC615
DC14	DC51	DC103	DC135	DC733	HGS22	DXT Blends	SC11	
DC15	DC60	DC104	DC136	DC734	HGS36	HG Blends	SC018	
DC16	DC61	DC105	DC140	DC740	HGS37	WD Fines	SC20	
DC20	DC65	DC109	DC145	DC750	HGS72		SC025	
DC21	DC69	DC110	DC149	DC755	HGS112		SC027	
DC30	DC70	DC114	DC150	DC785	HGS113		SC037	
DC31	DC80	DC115	DC160	DC790	HGS122		SC561	
DC32	DC81	DC120	DC162	DC792	HGS152		SC563	
DC33	DC82	DC121	DC172	DC795	HGS320		SC565	
DC34	DC90	DC125	DC173	DC798	HGS321		SC569	
DC38	DC91	DC130	DC610	DC800	HGS340		SC610	
DC40	DC95	DC131	DC700	DC810	HGS350		SC611	
DC45	DC100	DC132	DC720	DC820	HGS360		SC612	

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