

# Material Safety Data Sheet

Densified Chips

MSDS No. 9648.16

Date of Preparation: 12/10/96

Revision: 3/17/10

## 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

Southfield, MI 48034-7807

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

**Emergency Phone:** (800) 424-9300

**Date Revised:** 3/17/10

**Preparer:** Stephanie Nichols

## Section 2 – Hazards Identification

**Primary Entry Routes:** Inhalation, Eye, and Ingestion.

**Acute Effects**

**Inhalation:** Inhalation of high concentrations of this inert nuisance particulate can result in mild irritation of the respiratory tract.

**Eye:** May cause irritation through mechanical abrasion. (Mild Irritant Subcategory 2B)

**Skin:** May cause irritation through mechanical abrasion. (Mild Skin Irritation: Category 3)

**Ingestion:** Unlikely.

**Carcinogenicity:** IARC, OSHA, and NTP do not list this product or any of its components as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** n/a

**Chronic Effects:** n/a

**Signal Word:** Irritant

**HMIS**

**H** 1

**F** 0

**R** 0

**PPE**† E

†Sec. 8

## Section 3 – Composition/Information on Ingredients

**Ingredient Name**

**CAS Number**

Alumina Trihydrate

21645-51-2

Filled Polyester

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**Trace Impurities:**

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Alumina Trihydrate	none estab.	none estab.	none estab.	none estab.
Filled Polyester	none estab.	none estab.	none estab.	none estab.

## 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 for 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 for at least 15 minutes. Consult a physician if irritation persists.

**Ingestion:** Consult a physician.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:** n/a

**Special Precautions/Procedures:** n/a

## Section 5 - Fire-Fighting Measures

**Flash Point:** n/a

**Flash Point Method:** n/a

**Burning Rate:** Not determined.

**Auto-ignition Temperature:** Not determined.

**Flammability Classification:** n/a

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

**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

**Spill /Leak Procedures:** Collect solids. Recycle if possible.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Handling Precautions:** Avoid generating dust during handling.

**Storage Requirements:** Keep material dry.

## 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.

## Section 9 - Physical and Chemical Properties

**Physical State:** Dyed amorphous particle.

**Appearance and Odor:** colored odorless granules

**Odor Threshold:** n/e

**Vapor Pressure:** n/e

**Vapor Density (Air=1):** n/a

**Formula Weight:** n/a

**Density:** n/e

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.7

**pH:** n/e

**Water Solubility:** Insoluble

**Other Solubilities:** n/a

**Boiling Point:** n/a

**Freezing/Melting Point:** n/a

**Viscosity:** n/a

**Refractive Index:** n/a

**Surface Tension:** n/a

**% Volatile:** n/a

**Evaporation Rate:** n/a

## Section 10 - Stability and Reactivity

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

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Strong acids or alkaline may destroy surface appearance.

**Conditions to Avoid:** None known.

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

## Section 11- Toxicological Information

### Toxicity Data:\*

**Eye Effects:** Nuisance dust. May cause irritation through mechanical abrasion. Flush with water for at least 15 minutes. Consult physician if irritation is persistent.

**Skin Effects:** Nuisance dust. May cause irritation through mechanical abrasion. Wash skin thoroughly with soap and water.

**Acute Inhalation Effects:** Overexposure to dust may cause irritation to the respiratory tract. Should this occur, remove affected individual to fresh air. If symptoms persist, consult a physician.

**Acute Oral Effects:** None known.

**Chronic Effects:** None known.

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

## Section 12 - Ecological Information

No information available.

### 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.

### 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.

**INTERNATIONAL REGULATIONS**

Canadian Domestic Substances List: Components of this product are listed on the Canadian DSL.

European Community: Components of this product are listed on ECHOIN, the European Core Inventory (EC) market

### Section 16 - Other Information

**Prepared By:** Stephanie Nichols

**Revision Notes:** 3/17/10

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

DC10	DC38	DC82	DC110	DC135	HGA315	HGS122	DC733	DC810
DC11	DC40	DC90	DC114	DC136	HGA338	HGS152	DC734	DC820
DC14	DC45	DC91	DC115	DC140	HGA363	HGS320	DC740	BR Blends
DC15	DC46	DC95	DC120	DC145	HGS17	HGS321	DC750	DX Blends
DC16	DC50	DC100	DC121	DC150	HGS18	HGS340	DC755	DXT Blends
DC20	DC51	DC101	DC125	DC160	HGS22	HGS350	DC785	HG Blends
DC21	DC60	DC102	DC130	DC162	HGS36	HGS360	DC790	WD Fines
DC30	DC65	DC103	DC131	DC172	HGS37	DC700	DC792	
DC32	DC61	DC104	DC132	DC173	HGS72	DC720	DC795	
DC33	DC70	DC105	DC133	HG31	HGS112	DC730	DC798	
DC34	DC80	DC109	DC134	HG81	HGS113	DC731	DC800	

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