

Material Safety Data Sheet

ReStone

MSDS No. 15075.2

Date of Preparation: 2/25/11

Revision: 9/19/11

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: ReStone

General Use: Used in cultured marble applications

Manufacturer: The R. J. Marshall Company
26776 W. 12 Mile Road
Southfield, MI 48034-7807
(248) 353-4100

Emergency Phone: (800) 424-9300

Date Revised: 9/19/11

Prepared By: Stephanie Nichols

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number
Alumina Trihydrate	21645-51-2
Filled Polyester	-----
Crushed Glass	65997-17-3

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Alumina Trihydrate	None established	None established	None established	None established
Filled Polyester	None established	None established	None established	None established
Crushed Glass	15mg/m ³ total 5 mg/m ³ respirable	None established	10 mg/m ³	None established
Silicon Dioxide	15mg/m ³ total 5 mg/m ³ respirable	None established	10 mg/m ³	None established
Calcium Oxide	2 mg/m ³	None established	2 mg/m ³	None established
Sodium Oxide	None established	None established	None established	None established
Magnesium Oxide	10 mg/m ³ (fume)	None established	10 mg/m ³ (fume)	None established

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

HMIS
H 1
F 0
R 0
PPE† E
†Sec. 8

Potential Health Effects

Primary Entry Routes: Inhalation, Eye, Skin, and Ingestion

Acute Effects

Inhalation: Inhalation of high concentrations of this inert particulate can result in mild irritation of the nose, throat, and respiratory tract.

Eye: May cause irritation and transient corneal injury.

Skin: May cause irritation. Small particles embedded in the skin may cause swelling and ulceration.

Ingestion: May cause irritation of the digestive tract.

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

Chronic Effects: n/a

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.

Autoignition Temperature: not determined

Flammability Classification: Non-flammable.

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 facepiece 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:

Respiratory Protection: Use a NIOSH/MSHA approved air purifying respirator with a dust/mist cartridge or canister where airborne concentrations exceed exposure limits.

Protective Clothing/Equipment: Eyes: Use splash proof or dust resistant goggles. Skin: Not typically required, but the user may elect to wear leather gloves, apron, boots, or whole bodysuit, as appropriate.

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: Powder

Appearance and Odor: odorless, color varies.

Odor Threshold: n/e

Vapor Pressure: n/a

Vapor Density (Air=1):n/a

Formula Weight: n/a

Density: n/e

Specific Gravity (H₂O=1, at 4 °C):2.2-2.3

pH: n/e

Water Solubility: Slight.

Other Solubilities: n/a

Boiling Point: n/a

Freezing/Melting Point: 1335F (724C)

Viscosity: n/a

Refractive Index: n/a

Surface Tension: n/a

% Volatile: n/a

Evaporation Rate: n/e

Section 10 - Stability and Reactivity

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

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Strong alkaline may destroy surface appearance.

Conditions to Avoid: None known.

Hazardous Decomposition Products: Thermal oxidative decomposition of DGE 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.

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.

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

Acute Oral Effects: None known.

Chronic Effects: None known.

Carcinogenicity: Neither this product nor any of its components are listed as carcinogens by IARC, NTP, OSHA, or ACGIH.

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. 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 regulation 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: 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 Ecoinvent, the European Core Inventory (EC) market.

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: updated product codes

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

RST220	RST270	RST304	RST339	RST385
RST395	RST430	RST670	RST729	RST756

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