

Bluestone Products, a TCC Materials Company
2025 Centre Pointe Boulevard
Mendota Heights, MN 55120-1221

Emergency Telephone Number:
651-688-9116
Information Telephone Number
651-688-9116

Revision Date
November 2020

Section 1: Product Identification

Product Type: Concrete-Based Products (Patches, Grouts, Mortars)

Product Name:
Rapid Patch[®] Self-Leveling Resurfacer

Section 2: Hazard Identification

Classification of the chemical:

Hazard class: Carcinogenicity 1A
Skin Corrosion 1B
Skin sensitization 1B
Specific target organ toxicity – After repeated exposure 1
Specific target organ toxicity – Single exposure 3

Hazard Pictogram:



Signal Word:
Danger

Hazard Statements:

May cause cancer through chronic inhalation. Causes severe skin burns and serious eye damage. May cause allergic skin reaction. Causes damage to lungs through prolonged or repeated exposure. May cause respiratory irritation.

Precautionary Statements:

Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust. Use only in a well-ventilated area. If swallowed: Rinse mouth. Immediately call a poison center/doctor. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. If on skin (or hair): Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

If exposed or concerned: Get medical advice/attention.

Store in a well-ventilated space. Keep container tightly closed.

Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards not contributing to the classification: Not applicable.

HMIS[®] Rating: Health: 1* Fire: 0 Reactivity: 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme
HMIS[®] is a registered trademark of the National Paint and Coatings Association

Section 3: Hazardous Ingredients/Composition

Ingredient	Typical Percentage	CAS #
Silica Sand (as quartz)	40-70%	14808-60-7
Cement Alumina Chemicals	10-20%	65997-16-2
Calcium carbonate	5-25%	1317-65-3
Plaster of Paris	5-15%	10034-76-1
Portland Cement	0-4%	65997-15-1

*Specific chemical identities and concentrations withheld as trade secret. They are available upon request to health professionals, employees and their designated representatives in accord with 29CFR1910.1200(i).

Section 4: First Aid Measures

Description of the First Aid Measure:

First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Call a physician if irritation develops and persists.

First-aid measures after skin contact: In case of contact, wash skin with plenty of cool water and pH-neutral soap or detergent. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries after inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated inhalation. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.

Symptoms/injuries after skin contact: Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Symptoms/injuries after eye contact: Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Indication of Any Immediate Medical Attention and Special Treatments Needed: Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5: Fire Fighting Measures

Extinguishing Media

Fire extinguishing media: Appropriate for surrounding materials. Product is not flammable.

Unsuitable extinguishing media: Not available.

Special hazards arising from the substance or mixture

Unusual fire and explosion hazards: None

Hazardous combustion products: None expected.

Advice for fire fighters

Firefighting instructions: Keep upwind of fire. Wear full fire-fighting turn-out gear (full

Bunker gear) and respiratory protection (SCBA).

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

General Measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Methods and Materials for Containment and Clean-Up:

Methods for Containment: Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up: Vacuum or sweep material and place in a disposal container.

Section 7: Handling and Storage

Precautions for Safe Handling:

Precautions for safe handling: Do not swallow. Avoid contact with skin and eyes. Good housekeeping is important to prevent accumulation of dust. Avoid generating and breathing dust. The use of compressed air for cleaning clothing, equipment, etc., is not recommended. Handle and open container with care. When using do not eat, drink or smoke.

General measures: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Conditions for Safe Storage, Including Any Incompatibilities:

Storage conditions: Keep out of the reach of children. Store in dust-tight, dry, labelled containers. Keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers.

Specific end use(s): No additional information available.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:

	OSHA PEL	ACGIH TLV	NIOSH REL
Crystalline silica (quartz)	50 µg/m ³ (8-hr TWA)	25 µg/m ³ (respirable)	50 µg/m ³ (respirable)
Cement Alumina Chemicals	15 mg/m ³ , total; 5 mg/m ³ , respirable	1 mg/m ³ , respirable	10 mg/m ³ (T) 5 mg/m ³ (R)
Calcium carbonate	15 mg/m ³ (total) 5 mg/m ³ (respirable)	None (TLV withdrawn in 2007)	10 mg/m ³ (total) 5 mg/m ³ (respirable)
Plaster of Paris	15 mg/m ³ (total) 5 mg/m ³ (respirable)	None established	10 mg/m ³ (total) 5 mg/m ³ (respirable)
Portland cement	15 mg/m ³ (T) 5 mg/m ³ (R)	1 mg/m ³ (R)	10 mg/m ³ (T) 5 mg/m ³ (R)

Engineering Controls:

Avoid creating dust.

If cutting or grinding material after it has hardened, water can be used as a dust suppressant.

Personal protective equipment

Face and eyes: Safety glasses with side shields or protective goggles should be worn while using this product. For extremely dusty conditions, non-vented goggles or goggles with indirect venting are recommended. Avoid contact lens wear when using this product.

Body: Avoid any skin contact, particularly when skin may be wet from sweat. Long sleeved shirts and trousers should be worn while using this material. Wear any water-impermeable gloves such as PVC gloves, particularly for prolonged contact. Wear waterproof boots, high enough to prevent any cement from getting into them. Promptly wash off of skin and remove contaminated clothing.

Respiratory: If exposure levels cannot be maintained below an acceptable limits, suitable particulate-filtering facemasks or respirators approved by MSHA/NIOSH should be worn in accordance with the user's respiratory protection program and OSHA/MSHA guidelines.

Hands: Protective gloves with wrist/arm cutoffs should be worn to avoid direct contact with skin and to protect hands from abrasion.

General Health and Safety Measures:

Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Section 9: Physical and Chemical Properties

Exposure Controls:

Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection: Wear suitable waterproof gloves.

Eye protection: Wear approved eye (properly fitted dust, or splash-proof chemical safety goggles) / face (face shield) protection.

Skin and body protection: Wear suitable waterproof protective clothing.

Respiratory protection: A NIOSH approved dust mask or filtering face-piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

Other information: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State:	Solid.
Appearance:	Powder.
Color:	Gray to gray-brown.
Odor:	Characteristic.
Odor Threshold:	No data available.
pH:	12 – 13
Relative evaporation rate (butylacetate=1):	No data available.
Melting point:	No data available.
Freezing Point:	No data available.
Boiling Point:	No data available.
Flash point:	No data available.
Self-ignition temperature:	No data available.
Decomposition temperature:	No data available.

Flammability (solid, gas):	Not Flammable.
Vapor pressure:	No data available.
Relative vapor density at 20°C:	No data available.
Relative density:	No data available.
Solubility:	No data available.
Low Pow:	No data available.
Low Kow:	No data available.
Viscosity, kinematic:	No data available.
Viscosity, dynamic:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Explosive limits:	No data available.
VOC content:	0 g/L VOC

Section 10: Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal storage conditions. Keep dry in storage.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Incompatible materials. Moisture.

Incompatible Materials: Wet cement is alkaline and incompatible with acid, ammonium salts and aluminum metal.

Hazardous decomposition products: May include, and are not limited to: oxides of carbon.

Section 11: Toxicological Information

Information on Toxicological Effects:

Acute toxicity: Harmful if swallowed.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: May cause cancer.

Quartz (14808-60-7)	
IARC group	1
National Toxicity Program (NTP) Status	2

Reproductive toxicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Causes damage to lungs through prolonged or repeated exposure. (Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.)

Aspiration hazard: Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact: Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Symptoms/injuries after eye contact: Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Other information: Likely routes of exposure: ingestion, inhalation, skin and eye.

Section 12: Ecological Information

Toxicity:

Ecology - general: No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

Persistence and degradability: No data available.

Bioaccumulation potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

Section 13: Disposal Considerations

Waste Treatment Methods:

The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117 & 302).

Waste disposal recommendations:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: Transportation

In accordance with DOT

UN Number:	Not applicable.
UN Proper Shipping Name:	Not applicable.
Additional information:	No supplementary information available.
Special transport precautions:	Do not handle until all safety precautions have been read and understood.

Section 15: Regulatory Information

Component Analysis

U.S. Federal Regulations

This product contains one or more of the following chemical components or ingredients that may require identification and/or reporting under SARA Section 302, SARA Sections 311/312/313, CERCLA, and/or TSCA. An examination of the components of this product should be conducted by a qualified environmental professional to determine if such identification or reporting is required by federal law.

Components: Portland cement, Silica (Crystalline)

U.S. State Regulations

This product contains one or more of the following chemical components or ingredients that are included on the hazardous materials list for one or more of the following states: California, Maine, Minnesota, New Jersey, Pennsylvania and Rhode Island. An examination of the components of this product should be conducted by a qualified environmental or safety and health professional to determine the specific requirements for those states.

Components: Portland cement, Limestone (calcium carbonate), Gypsum (calcium sulfate), Silica (Crystalline)

The state of California requires the following statement (Proposition 65) in regards to this material:



WARNING: Cancer - www.P65Warnings.ca.gov.

Section 16: Other Information

Additional information on the product is available at. www.tccmaterials.com

Date of Preparation: November 10, 2017
Version: 1.0

Rapid Patch® is a registered trademark of TCC Materials.

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. Before using any product, read its label and safety data sheet.