

**BLUESTONE PRODUCTS**  
**A TCC Materials Company**  
2025 Centre Pointe Boulevard  
Mendota Heights, MN 55120-1221

**Emergency Telephone Number:**  
651-688-9116  
**Information Telephone Number**  
651-905-8137

**Revision Date**  
**Dec 2022**

---

### Section 1: Product Identification

---

Product Type: Sealant

**Product Name:**

TECH-PRO® Stone Veneer Sealant (colors: Brown, Gray, Tan, Charcoal or White)

---

### Section 2: Hazard Identification

---

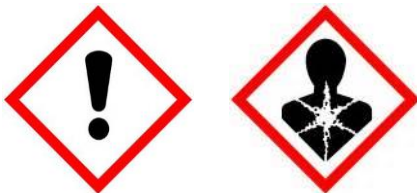
**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

**Classification of the product**

Acute Tox.	4	(Inhalation - vapour) Acute toxicity
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Repro. Tox.	1B	Reproductive toxicity
Carc.	1A	Carcinogenicity
STOT RE (respiratory system)	1	Specific target organ toxicity – repeated exposure
STOT SE (nervous system)	1	Specific target organ toxicity – single exposure (central nervous system)
STOT RE	2	Specific target organ toxicity – repeated exposure (bladder)

**Label elements**

Pictogram:



**Applicable hazard statement:**

**Signal Word:** Danger.

- H332: Harmful if inhaled.  
H319: Causes serious eye irritation.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317: May cause an allergic skin reaction.  
H351: Suspected of causing cancer.  
H372: Causes damage to organs (Central nervous system) through prolonged or repeated exposure.

**Applicable Precautionary Statements (Prevention):**

- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P271: Use only outdoors or in a well-ventilated area.
- P260: Do not breathe dust/gas/mist/vapours.
- P201: Obtain special instructions before use.
- P261: Avoid breathing vapors.
- P202: Do not handle until all safety precautions have been read and understood.
- P284: [In case of inadequate ventilation] wear respiratory protection.
- P270: Do not eat, drink or smoke when using this product.
- P264: Wash with plenty of water and soap thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.

**Applicable Precautionary Statements (Response):**

- P312: Call a POISON CENTER or doctor/physician if you feel unwell
- P308 + P311: IF exposed or concerned: Call a POISON CENTER or doctor/physician.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P304 + P341 + P311: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
- P314: Get medical advice/attention if you feel unwell.
- P303 + P352: IF ON SKIN (or hair): Wash with plenty of soap and water.
- P333 + P311: If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.
- P362 + P364: Take off contaminated clothing and wash before reuse.
- P337 + P311: If eye irritation persists: Call a POISON CENTER or doctor/physician.

**Applicable Precautionary Statements (Storage):**

- P405: Store locked up.

**Applicable Precautionary Statements (Disposal):**

- P501: Dispose of contents/container to hazardous or special waste collection point.

**Hazards not otherwise classified**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

---

**Section 3: Hazardous Ingredients/Composition**

---

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

<u>Ingredient</u>	<u>Typical Percentage</u>	<u>CAS #</u>
Calcium carbonate .....	10-25 %	1317-65-3
Carbonic acid, calcium salt (1:1) .....	15-40%	471-34-1
Titanium Dioxide (white, gray, beige & neutral) .....	0-5%	13463-67-7
Organosilane .....	0-5%	2768-02-7
Dibutyltin oxide .....	0-1%	818-08-6
Diisononyl phthalate .....	15-35%	28553-12-0
Carbon black (black, bronze, gray) .....	0-1%	1333-86-4

---

**Section 4: First Aid Measures**

---

**Description of first aid measures**

**General advice:**

Remove contaminated clothing.

**If inhaled:**

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

**If on skin:**

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

**If in eyes:**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

**If swallowed:**

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

**Most important symptoms and effects, both acute and delayed**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No applicable information available. Symptoms can appear later.

---

### **Section 5: Fire Fighting Measures**

---

#### **Fire extinguishing media:**

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

#### **Special hazards arising from the substance or mixture**

Hazards during fire-fighting:

Special hazards arising from the substance or mixture: Hazards during fire fighting: heating may cause an explosion; containers may rupture or explode; upon decomposition this product emits carbon dioxide, carbon monoxide, and/or low molecular weight hydrocarbons.

#### **Advice for fire-fighters**

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

#### **Further information:**

Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

---

### **Section 6: Accidental Release Measures**

---

#### **Personal precautions, protective equipment and emergency procedures**

Wear personal protective clothing and equipment, see Section 8.

#### **Environmental precautions**

Do not flush into sanitary sewer systems, drains or surface water. Avoid release to the environment.

#### **Methods and material for containment and cleaning up**

Keep unnecessary people away, isolate hazard area and deny entry. In case of spillage, stop the flow of material and block any potential routes to water systems. Only personnel trained for the hazards of this material should perform clean up and disposal.

---

**Section 7: Handling and Storage**

---

**Precautions for safe handling**

Provide suitable exhaust ventilation at the processing machines. Ensure thorough ventilation of stores and work areas. Avoid aerosol formation. When handling heated product, vapours of the product should be ventilated, and respiratory protection used. Wear respiratory protection when spraying. Danger of bursting when sealed gastight. Protect against moisture. If bulging of drum occurs, transfer to well-ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

Protection against fire and explosion:

Keep away from sources of ignition - No smoking. The relevant fire protection measures should be noted.

**Conditions for safe storage, including any incompatibilities**

No applicable information available.

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

Storage stability:

Storage temperature: 41-90°F (5 - 32°C)

Protect from temperatures below: 1.4°F (-17°C)

Protect from temperatures above: 118°F (48°C)

Wash hands after use.

Do not eat, drink, or use tobacco products when handling any chemical products.

---

**Section 8: Exposure Controls/Personal Protection**

---

**Component Exposure Limits**

<b>Calcium carbonate</b>	<b>1317-65-3</b>
NIOSH:	10 mg/m <sup>3</sup> TWA total dust ; 5 mg/m <sup>3</sup> TWA respirable dust
OSHA (US):	15 mg/m <sup>3</sup> TWA total dust ; 5 mg/m <sup>3</sup> TWA respirable fraction
Mexico:	10 mg/m <sup>3</sup> TWA VLE-PPT
	20 mg/m <sup>3</sup> STEL [PPT-CT ]
<b>Carbonic acid, calcium salt (1:1)</b>	<b>471-34-1</b>
NIOSH:	10 mg/m <sup>3</sup> TWA total dust ; 5 mg/m <sup>3</sup> TWA respirable dust
<b>Titanium dioxide</b>	<b>13463-67-7</b>
ACGIH:	10 mg/m <sup>3</sup> TWA
NIOSH:	2.4 mg/m <sup>3</sup> TWA (CIB 63 ) fine ; 0.3 mg/m <sup>3</sup> TWA (CIB 63 ) ultrafine, including engineered nanoscale
	5000 mg/m <sup>3</sup> IDLH
OSHA (US):	15 mg/m <sup>3</sup> TWA total dust
Mexico:	10 mg/m <sup>3</sup> TWA VLE-PPT as Ti
	20 mg/m <sup>3</sup> STEL [PPT-CT ] as Ti
<b>Carbon black</b>	<b>1333-86-4</b>
ACGIH:	3 mg/m <sup>3</sup> TWA inhalable particulate matter
NIOSH:	3.5 mg/m <sup>3</sup> TWA ; 0.1 mg/m <sup>3</sup> TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons ) as PAH
	1750 mg/m <sup>3</sup> IDLH
OSHA (US):	3.5 mg/m <sup>3</sup> TWA
Mexico:	3.5 mg/m <sup>3</sup> TWA VLE-PPT
	7 mg/m <sup>3</sup> STEL [PPT-CT ]

**ACGIH – Threshold Limit Values – Biological Exposure Indices (BEI)**

There are no biological limit values for any of this product's components.

**Engineering Controls**

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust or process enclosure ventilation system.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face protection**

Wear splash resistant safety goggles with a face shield.

**Respiratory protection**

Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

**Glove recommendations**

Wear appropriate chemical resistant gloves.

**Protective Materials**

Wear appropriate chemical resistant clothing.

---

**Section 9: Physical and Chemical Properties**

---

Form:	paste
Odor:	mild
Odor threshold:	No applicable information available.
Color:	(Brown, Gray, Tan, or Off-White)
pH value:	No applicable information available.
Melting point:	No applicable information available.
Boiling point:	No applicable information available.
Sublimation point:	No applicable information available.
Flash point:	Non-flammable.
Flammability:	not flammable (UN Test N.1 (ready combustible solids))
Lower explosion limit:	No applicable information available.
Upper explosion limit:	No applicable information available.
Autoignition:	No applicable information available.
Vapour pressure:	No applicable information available.
Density:	10.8-13.3 lb/gal (77°F / 25 °C)
Relative density:	No applicable information available.
Vapour density:	No applicable information available.
Partitioning coefficient noctanol/ water (log Pow):	No applicable information available.
Self-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	No applicable information available.
Solubility in water:	(59°F / 15 °C) insoluble
Miscibility with water:	(59°F / 15 °C) not (e.g. <10%)
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Evaporation rate:	No applicable information available.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

---

## Section 10: Stability and Reactivity

---

### **Reactivity**

No reactivity hazard is expected.

### **Chemical stability**

Stable at normal temperatures and pressure.

### **Possibility of hazardous reactions**

Will not polymerize.

### **Conditions to avoid**

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials. Avoid contact with temperatures above 120 C.

### **Incompatible materials**

Strong acids. Strong oxidizer.

### **Hazardous decomposition products**

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

---

## Section 11: Toxicological Information

---

### **Information on likely routes of exposure**

#### **Inhalation**

May be harmful if inhaled.

#### **Skin Contact**

May cause skin irritation.

#### **Eye Contact**

Causes serious eye irritation.

#### **Ingestion**

Harmful if swallowed.

### **Acute and Chronic Toxicity**

#### **Component Analysis – Ld50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:



**Carbonic acid, calcium salt (1:1) (471-34-1)**

Oral LD50 Rat 6450 mg/kg

**Titanium dioxide (13463-67-7)**

Oral LD50 Rat >10000 mg/kg

**Organosilane (2768-02-7)**

Oral LD50 Rat 7340 µL/kg

**Dibutyltin oxide (818-08-6)**

Oral LD50 Rat 44.9 mg/kg

**Diisononyl phthalate (28553-12-0)**

Oral LD50 Rat >9750 mg/kg

Inhalation LC50 Rat >4.4 mg/L 4 h (no deaths occurred )

**Carbon black (1333-86-4)**

Oral LD50 Rat >15400 mg/kg

**Product Toxicity Data**

**Acute Toxicity Estimate**

Oral: 1261.241 mg/kg

**Immediate Effects**

Harmful if swallowed. Causes serious eye irritation.

**Delayed Effects**

May cause cancer. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.

**Irritation/Corrosivity Data**

Causes serious eye irritation.

**Respiratory Sensitization**

No information on significant adverse effects

**Dermal Sensitization**

No information on significant adverse effects.

**Component Carcinogenicity**

<b>Titanium dioxide</b>	<b>13463-67-7</b>
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 93 [2010] ; Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 3A (could be carcinogenic for man; inhalable fraction with the exception of ultra small particles )
OSHA:	Present
NIOSH:	Potential occupational carcinogen
<b>Carbon black</b>	<b>1333-86-4</b>
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC:	Monograph 93 [2010] ; Monograph 65 [1996] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 3B (could be carcinogenic for man; inhalable fraction )
OSHA:	Present
NIOSH:	Potential occupational carcinogen

Results of a DuPont epidemiology study showed that employees who had been exposed to titanium dioxide pigments were at no greater risk of developing lung cancer than were employees who had not been exposed to titanium dioxide pigments. No pulmonary fibrosis was found in any of the employees and no associations were observed between titanium dioxide pigment exposure and chronic respiratory disease or lung abnormalities. Based on the results of this study, DuPont concluded that titanium dioxide pigment will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

**Germ Cell Mutagenicity**

No information on significant adverse effects.

**Tumorigenic Data**

No information on significant adverse effects.

**Reproductive Toxicity**

May damage fertility or the unborn child.

**Specific Target Organ Toxicity – Single Exposure**

Central nervous system.

**Specific Target Organ Toxicity – Repeated Exposure**

Respiratory system. Bladder.

**Aspiration Hazard**

No information on significant adverse effects.

**Medical Conditions Aggravated by Exposure**

No data available.

**Section 12: Ecological Information**

**Ecotoxicity**

May cause long lasting harmful effects to aquatic life.

**Component Analysis – Aquatic Toxicity**

<b>Diisononyl phthalate</b>	<b>28553-12-0</b>
Fish:	LC50 96 h Brachydanio rerio >100 mg/L [semi-static ]; LC50 96 h Lepomis macrochirus >0.14 mg/L [flow-through ]; LC50 96 h Lepomis macrochirus >0.17 mg/L [static ]; LC50 96 h Pimephales promelas >0.19 mg/L [flow-through ]; LC50 96 h Pimephales promelas >0.14 mg/L [static ]
Algae:	EC50 72 h Desmodesmus subspicatus >500 mg/L IUCLID ; EC50 96 h Pseudokirchneriella subcapitata >1.8 mg/L [static ] EPA
Invertebrate:	EC50 48 h Daphnia magna >500 mg/L IUCLID ; EC50 48 h Daphnia magna >0.06 mg/L [Static ] EPA

**Section 13: Disposal Considerations**

**Waste disposal of substance:**

Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

**Section 14: Transportation**

**Transport Information**

**Land transport**

USDOT Not classified as a dangerous good under transport regulations.

**Sea transport**

IMDG Not classified as a dangerous good under transport regulations

**Air transport**

IATA/ICAO Not classified as a dangerous good under transport regulations

**Section 15: Regulatory Information**

**U.S. Federal Regulations**

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories**

Carcinogenicity; Acute toxicity; Reproductive Toxicity; Serious Eye Damage/Eye Irritation; Specific Target Organ Toxicity

**U.S State regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
<b>Calcium carbonate</b>	<b>1317-65-3</b>	No	Yes	Yes	Yes	Yes
<b>Titanium dioxide</b>	<b>13463-67-7</b>	No	Yes	Yes	Yes	Yes
<b>Carbon black</b>	<b>1333-86-4</b>	Yes	Yes	Yes	Yes	Yes

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**



This product can expose you to chemicals, including Titanium dioxide, Diisononyl phthalate, or Carbon black, which are known to the State of California to cause cancer. For more information go to

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

<b>Titanium dioxide</b>	<b>13463-67-7</b>
Carc:	carcinogen , 9/2/2011 (airborne, unbound particles of respirable size )
<b>Diisononyl phthalate</b>	<b>28553-12-0</b>
Carc:	carcinogen , 12/20/2013
<b>Carbon black</b>	<b>1333-86-4</b>

Carc:	carcinogen , 2/21/2003 (airborne, unbound particles of respirable size )
-------	--

**Canada Regulations**

**Canadian WHMIS Ingredient Disclosure List (IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Dibutyltin Oxide (818-08-6) – 1%

Carbon Black (1333-86-4) – 1%

**Component Analysis – Inventory**

**Calcium carbonate (1317-65-3)**

U S	CA	E U	A U	P H	JP - ENC S	JP - ISH L	KR KEC I - Ann ex 1	KR KEC I - Ann ex 2	KR - REA CH CCA	C N	NZ	M X	T W	VN (Draf t)
Ye s	NS L	EI N	Ye s	Ye s	Yes	Yes	Yes	No	No	Ye s	Ye s	Ye s	Ye s	Yes

**Carbonic acid, calcium salt (1:1) (471-34-1)**

U S	CA	E U	A U	P H	JP - ENC S	JP - ISH L	KR KEC I - Ann ex 1	KR KEC I - Ann ex 2	KR - REA CH CCA	C N	NZ	M X	T W	VN (Draf t)
Ye s	DS L	EI N	Ye s	Ye s	Yes	Yes	Yes	No	No	Ye s	Ye s	Ye s	Ye s	Yes

**Titanium dioxide (13463-67-7)**

U S	CA	E U	A U	P H	JP - ENC S	JP - ISH L	KR KEC I -	KR KEC I -	KR - REA CH CCA	C N	NZ	M X	T W	VN (Draf t)
--------	----	--------	--------	--------	------------------	---------------------	------------------	------------------	--------------------------	--------	----	--------	--------	-------------------

							Ann ex 1	Ann ex 2						
Ye s	DS L	EI N	Ye s	Ye s	Yes	Yes	Yes	No	No	Ye s	Ye s	Ye s	Ye s	Yes

**Organosilane (2768-02-7)**

U S	CA	EU	AU	PH	JP - ENC S	JP - ISH L	KR KEC I- Ann ex 1	KR KEC I- Ann ex 2	KR - REA CH CCA	C N	NZ	M X	T W	VN (Draf t)
Ye s	DS L	EI N	Ye s	Ye s	Yes	Yes	Yes	No	No	Ye s	Ye s	N o	Ye s	Yes

**Dibutyltin oxide (818-08-6)**

U S	CA	EU	AU	PH	JP - ENC S	JP - ISH L	KR KEC I- Ann ex 1	KR KEC I- Ann ex 2	KR - REA CH CCA	C N	NZ	M X	T W	VN (Draf t)
Ye s	DS L	EI N	Ye s	Ye s	Yes	Yes	Yes	No	No	Ye s	Ye s	N o	Ye s	Yes

**Diisononyl phthalate (28553-12-0)**

U S	CA	EU	AU	PH	JP - ENC S	JP - ISH L	KR KEC I- Ann ex 1	KR KEC I- Ann ex 2	KR - REA CH CCA	C N	NZ	M X	T W	VN (Draf t)
Ye s	DS L	EI N	Ye s	Ye s	Yes	Yes	Yes	No	No	Ye s	Ye s	Ye s	Ye s	Yes

**Carbon black (1333-86-4)**

U S	CA	EU	AU	PH	JP - ENC S	JP -	KR KEC I-	KR KEC I-	KR - REA	C N	NZ	M X	T W	VN (Draf t)
--------	----	----	----	----	------------------	---------	-----------------	-----------------	-------------	--------	----	--------	--------	-------------------

						ISH L	Ann ex 1	Ann ex 2	CH CCA					
Yes	DSL	ELN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes

---

**Section 16: Other Information**

---

Additional information on the product is available at. [www.tccmaterials.com](http://www.tccmaterials.com)

ProSpec® is a trademark of H.B. Fuller Construction Products Inc.

Date of Preparation: April 21, 2021  
 Version: 1.3

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.