Safety Data Sheet
Concrete Bonding Additive
Bluestone Products™
Version 2.1

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

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

Revision Date
November 2020

Section 1: Product Identification

Product Type: Bonding

Product Name:
Concrete Bonding Additive

Section 2: Hazard Identification

Product poses little hazard in ordinary use. Eye and skin irritation may occur from direct contact.

Applicable hazard statements:

H316:	Causes mild skin irritation
H320:	Causes eye irritation
H402:	Harmful to aquatic life.

Applicable Precautionary Statements

P332+P313:	If skin irritation occurs, get medical attention.
P264:	Wash hands thoroughly after handling.
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313:	If eye irritation persists,: Get medical attention.
P273:	Avoid uncontrolled release to the environment.
P501:	Dispose of contents in accordance with local, state, and federal regulations

This product has been evaluated according to GHS and 29CFR1910.1200, Appendix A. It is categorized as a Health Hazard – Skin Irritant Category 3 and Eye Irritant – Category 2B. It is classified as Hazardous to the Aquatic Environment – Category 3.

HMIS® Rating: Health: 0 Fire: 0 Reactivity: 0
HMIS® is a registered trademark of the National Paint and Coatings Association
Rating is based on potential for ethanol.

Section 3: Hazardous Ingredients/Composition

Ingredient	Typical Percentage	CAS #
Water	35-65%	7732-18-5
Acrylic copolymer	25-35%	*
Nonionic surfactant	<3%	*

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

Section 4: First Aid Measures

Inhalation:
Unlikely to be an inhalation hazard.

Eye contact:
Hold eyelids apart and flush eyes with plenty of water. At least fifteen minutes of flushing is recommended for any chemical contact. If any irritation persists, get medical attention.

Skin Contact:
Wash off with soap and water.

Ingestion:
Check with the Poison Control Center or a doctor. Do not induce vomiting. .

Symptoms of overexposure: Direct contact can cause eye irritation. Repeated or extensive contact can cause skin irritation. May cause nose and throat irritation if misted, but not a likely route of exposure.
Note to physician: Treat according to symptoms. No known specific antidote.

Section 5: Fire Fighting Measures

Fire extinguishing media: Appropriate for surrounding materials (carbon dioxide, water spray, dry chemical, foam).
Special fire fighting procedures: none
Unusual fire and explosion hazards: None expected
Hazardous combustion products: carbon monoxide, carbon dioxide, carbon products such as acrylates from incomplete combustion

Section 6: Accidental Release Measures

Contain and soak up with absorbent material. Clean area with water.

Section 7: Handling and Storage

To protect the product, keep from freezing or excessive heat. May coagulate if frozen or after extended storage. Can develop a bacterial odor after extended storage.
Keep container tightly closed.
Wash hands after use.
Do not eat, drink, or use tobacco products when handling any chemical products.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:

None established

(No OSHA PEL. No ACGIH TLV®. No NIOSH REL)

Engineering Controls:

No special measures are needed.
Local exhaust ventilation is not required

Personal protective equipment

Respiratory protection: Not required under conditions of normal use.
Skin protection: Wear water-impermeable gloves such as neoprene, nitrile, PVC, or natural rubber gloves, particularly for prolonged contact. Use face shield if splashing is likely.
Eye protection: Wear chemical safety goggles if eye contact may be likely.

Section 9: Physical and Chemical Properties

Appearance and odor:	milky white liquid, mild odor (similar to latex paint)
Flash point:	noncombustible.
Flammable limits:	N/A
Boiling Point:	212°F (estimated)
Freezing point:	~ 32°F (estimated)
Specific Gravity:	1.05
Solubility in water:	miscible
pH:	7-8
Evaporation rate (butyl acetate = 1):	<1 (equivalent to water)

Section 10: Stability and Reactivity

Stability: stable
Conditions to avoid: none known.
I**ncompatibility**: strong oxidizing agents
Hazardous polymerization: will not occur
Hazardous decomposition products: none likely unless material is in a fire.

Section 11: Toxicological Information

Not considered acutely toxic.

No ingredients are listed as carcinogenic according to IARC, ACGIH, NTP, or OSHA. Not a sensitizer.

For acrylic copolymer:
Oral LD50 (rat): >2000 mg/kg (similar material)
Dermal LD50 (rat): >2000 mg/kg (similar material)

Aquatic toxicity for acrylic copolymer + surfactant (species not specified)
LC50 >100 mg/L
For nonionic surfactant:
Oral LD50 (rat): 4000 mg/kg
LC50 for fish (Bluegill): >10 mg/L (96 hours)
LC50 for Mysid shrimp = 0.26 mg/L
Based on toxicity to shrimp, classify as Hazardous to the Aquatic Environment, Category 3.

Section 12: Ecological Information

Ecotoxicity Product as a whole has not been tested. Material similar to acrylic copolymer/surfactant was practically nontoxic to aquatic organisms, but surfactant alone was highly toxic to Mysid shrimp.

Persistence and degradability: Not likely to biodegrade

Mobility in soil: no information available.

Bioaccumulation: based on ingredients, not likely to bioaccumulate.

Section 13: Disposal Considerations

Do not sewer or dump on the ground
As provided, not a RCRA-regulated waste.
Dispose of in accordance with federal, state, and local regulations.

Section 14: Transportation

Not a DOT-regulated hazardous material. Not classified as dangerous goods for DOT, IATA, IMDG, TDG

Section 15: Regulatory Information

This product does not contain 0.1% or more of any

- chemicals regulated under:
  CERCLA
  SARA 302 EHS
  SARA 311/312
  SARA 313
- Hazardous Air Pollutants.
- chemicals known to the state of California to cause cancer or reproductive effects.
- Chemicals on the New Jersey Right to Know Hazardous Substance List

Section 16: Other Information

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

Date and Revision: 12 January 2013, Revision 1

Date of Revision: November 9, 2020

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.