



**Safety Data Sheet**  
**Concrete Bonding Additive**  
© Akona Manufacturing LLC.  
Version 2.0

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**Section 1: Product Identification**

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Product Type: Bonding

**Product Name:**

Concrete Bonding Additive

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**Section 2: Hazard Identification**

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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.*



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### Section 3: Hazardous Ingredients/Composition

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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).

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### Section 4: First Aid Measures

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**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.

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### Section 5: Fire Fighting Measures

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**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

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### Section 6: Accidental Release Measures

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



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### Section 7: Handling and Storage

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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.

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### Section 8: Exposure Controls/Personal Protection

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#### 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.

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### Section 9: Physical and Chemical Properties

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



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### Section 10: Stability and Reactivity

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**Stability:** stable

**Conditions to avoid:** none known.

**Incompatibility:** strong oxidizing agents

**Hazardous polymerization:** will not occur

**Hazardous decomposition products:** none likely unless material is in a fire.

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### Section 11: Toxicological Information

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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.

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### Section 12: Ecological Information

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**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.





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**Section 13: Disposal Considerations**

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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.

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**Section 14: Transportation**

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

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**Section 15: Regulatory Information**

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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

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**Section 16: Other Information**

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

**Date and Revision: 12 January 2013, Revision 1**

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