1. Identification

Product Identification

Product Identifier: CRACK-PAC® (ETIPAC10, ETIPAC10KT)
Recommended Use: Two Component Low Viscosity Injection Epoxy
Use Restrictions: None Known.

Company Identification

Company: Simpson Strong-Tie Company Inc.
Address: 5956 W. Las Positas Blvd.
Pleasanton, CA 94588, USA
Phone: 1-800-999-5099
Website: www.strongtie.com
Emergency: 1-800-535-5053 (US/Canada)
1-352-323-3500 (International)

For most current SDS, please visit our website at www.strongtie.com/sds

2. Hazard Identification

General Information

CRACK-PAC® Injection Epoxy is a two part system. The two parts of this product have been assessed according to GHS and are classified below. The final hardened material is considered nonhazardous.

Resin (blue side) GHS Classification

Physical Hazards: Not Classified.
Health Hazards:
- Skin Corrosion/Irritation Category 2
- Serious Eye Damage/Irritation Category 2A
- Sensitization, Skin Category 1

Environmental Hazards:
- Acute Aquatic Environmental Hazard Category 2
- Chronic Aquatic Environmental Hazard Category 2

Signal Word: WARNING!
Hazard Statements:
Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

Precautionary Statements:
Prevention: Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing mist or vapor. Wash thoroughly after handling. Avoid release to the environment.
Response: If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect Spillage.
Storage: Store locked up. Store in a well-ventilated place. Store between 45-90°F (7-32°C).
Disposal: Dispose of contents/container in accordance with local/regional/national regulations.

Hardener (clear side) GHS Classification

Physical Hazards: Not Classified.
Health Hazards:
- Acute Toxicity, Oral Category 4
- Acute Toxicity, Dermal Category 4
- Acute Toxicity, Inhalation Category 4
CRACK-PAC® Injection Epoxy
SAFETY DATA SHEET

Skin Corrosion/Irritation  Category 1B
Serious Eye Damage/Irritation  Category 1
Sensitization, Skin  Category 1
STOT, Single Exposure  Category 1 (corrosive to the respiratory tract)

Environmental Hazards:
Acute Aquatic Environmental Hazard  Category 3
Chronic Aquatic Environmental Hazard  Category 3

Signal Word: DANGER!
Hazard Statements:
Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Corrosive to the respiratory tract. Harmful to aquatic life with long lasting effects.

Precautionary Statements:
Prevention:
Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing must not be allowed out of the workplace. Do not breathe vapor. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.

Response:
If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Collect Spillage.

Storage:
Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store between 45-90°F (7-32°C).

Disposal:
Dispose of contents/container in accordance with local/regional/national regulations.

Hazards Not Otherwise Classified (HNOC)
None known.

3. Composition Information

General Information
This product is a mixture. Hazardous ingredients for each component are listed below. May include other nonhazardous ingredients. May include other trace ingredients, see Section 15.

Resin (blue side)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A/Epichlorohydrin</td>
<td>25068-38-6</td>
<td>50-80</td>
</tr>
</tbody>
</table>

Hardener (clear side)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene-1,3-dimethaneamine</td>
<td>1477-55-0</td>
<td>70-90</td>
</tr>
<tr>
<td>Diethylenetriamine</td>
<td>111-40-0</td>
<td>10-30</td>
</tr>
</tbody>
</table>

4. First-Aid Measures

General Information
Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

Routes of Exposure

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. Remove contact lenses if present and easy to do. If redness, burning, blurred vision, or swelling persists, consult a physician.

Skin Contact: Remove contaminated clothing, immediately wash affected area with soap and water. Do not apply greases or ointments. If skin irritation persists, consult a physician.
Ingestion: Rinse mouth immediately. Give large amounts of milk or water, if person is conscious. Only induce vomiting at the instruction of medical personnel. Consult a physician.

Inhalation: Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device.

Most Important Symptoms
Irritant effects. Sensitization. Symptoms include itching, burning, redness and tearing. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Cough. Labored breathing. Be aware that symptoms of lung edema (shortness of breath) may develop up to 24 hours after exposure. Prolonged contact causes serious eye and tissue damage. May cause serious chemical burns to the skin.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Extinguish with foam, carbon dioxide, dry powder, or water fog.

Additional Information: Do not use a solid water stream as it may scatter and spread fire.

Hazards during Fire-Fighting: Hazardous decomposition products may occur when materials polymerize at temperatures above 500 °F (260°C). Do not allow run-off from fire-fighting to enter drains or water courses.

Fire-Fighting Procedures: Use standard fire-fighting procedures and consider the hazards of other involved materials. In case of fire and/or explosion do not breathe fumes. Self-contained breathing apparatus and full protective clothing must be worn. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until after fire is out. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

6. Accidental Release Measures

Personal Precautions
Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Clean-Up Methods
Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Place in a leak-proof container. Seal tightly for proper disposal. Clean surface thoroughly.

Large spills: Approach suspected leak areas with caution. Evacuate and ventilate the area. Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product. Place in a leak-proof container. Seal tightly for proper disposal. Following product recovery, flush area with water. Prevent entry into waterways, sewer, basements or confined areas.

Environmental Precautions
Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so.

7. Handling and Storage

Handling
Mechanical ventilation or local exhaust ventilation is recommended. Keep away from open flames, hot surfaces and sources of ignition. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Observe good industrial hygiene practices.

Storage
8. Exposure Controls / Personal Protection

Personal Protective Equipment

General Protection: Wear appropriate personal protective equipment.
Eye Protection: Wear chemical splash goggles or safety glasses with side shield.
Hand Protection: Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.
Skin and Body Protection: Wear long sleeve shirt/long pants and other clothing as required to minimize contact.
Respirator Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General Hygiene: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Engineering Controls

When using indoors good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Ready access to running water is required. Provide eyewash station.

Exposure Limits

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA (PEL)</th>
<th>ACGIH (TLV)</th>
<th>NIOSH Pocket Guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene-1,3-dimethane amine (CAS 114-77-55-0)</td>
<td>N/E</td>
<td>0.1 ppm (TWA)</td>
<td>0.1 mg/m³ (Ceiling)</td>
</tr>
<tr>
<td>Diethylenetriamine (CAS 111-40-0)</td>
<td>N/E</td>
<td>1 ppm (TWA)</td>
<td>4 mg/m³ (REL, TWA)</td>
</tr>
</tbody>
</table>

Additional Information

After Cure: Product forms an innocuous solid. Processing after cure (grinding or cutting) may produce dust containing compounds that present an inhalation hazard.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Resin</th>
<th>Hardener</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State:</td>
<td>Liquid</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color:</td>
<td>Blue</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor:</td>
<td>Strong Acrid</td>
<td>Ammonia</td>
</tr>
<tr>
<td>pH:</td>
<td>No data</td>
<td>12</td>
</tr>
<tr>
<td>Flammability limit – lower %:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Flammability limit – upper %:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Insoluble in water</td>
<td>Slightly soluble in water</td>
</tr>
<tr>
<td>Freezing/Melting Point:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>&gt;250 °F (121.1 °C) Open Cup</td>
<td>230 °F (110 °C) Closed Cup</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Decomposition Temperature:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>VOC (after cure):</td>
<td>7 g/L</td>
<td>7 g/L</td>
</tr>
<tr>
<td>Kow:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Corrosiveness:</td>
<td>Non-corrosive</td>
<td>Corrosive</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

Resin (blue side)

Reactivity: This product is stable and non-reactive under normal conditions.
Chemical Stability: Stable under normal storage conditions.
Condition to Avoid: High heat and open flame.
Substances to Avoid: Oxidizing agents, acids, organic bases, and amines.
CRACK-PAC® Injection Epoxy
SAFETY DATA SHEET

Hazardous Reactions: Hazardous polymerization does not occur.
Decomposition Products: Carbon dioxide, carbon monoxide, oxides of nitrogen, and other organic compounds.

Hardener (clear side)
Reactivity: This product is stable and non-reactive under normal conditions.
Chemical Stability: Stable under normal storage conditions.
Condition to Avoid: High heat and open flame.
Hazardous Reactions: Hazardous polymerization does not occur.
Decomposition Products: Carbon dioxide, carbon monoxide, oxides of nitrogen, and other organic compounds.

11. Toxicological Information

Likely Routes of Exposure
Ingestion: Harmful if swallowed. Causes digestive tract burns.
Inhalation: Harmful if inhaled. Causes respiratory tract burns.
Skin contact: Harmful in contact with skin. Causes severe skin burns. May cause an allergic skin reaction.
Eye contact: Causes serious eye burns.

Information on Toxicological Effects
Acute toxicity: Occupational exposure to the substance or mixture may cause adverse effects.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRACK-PAC® Hardener (CAS mixture)</td>
<td>Acute, Oral, LD50</td>
<td>Rat 900 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes skin irritation. Causes severe skin burns.
Eye damage/eye irritation: Causes serious eye irritation. Causes serious eye damage.
Respiratory sensitization: No data available.
Skin sensitization: May cause an allergic skin reaction.
Germ cell mutagenicity: No data available.
Carcinogenicity: This product is not considered a carcinogen by IARC, NTP, ACGIH, or OSHA.
Reproductive toxicity: No data available.
Aspiration hazard: No data available.
Specific target organ toxicity:
Single exposure: Corrosive to the respiratory tract.
Repeated exposure: No data available.

Further Information
Toxicological, ecotoxicological, physical, and chemical properties may not have been fully investigated. Hazard data above is estimated based on best available information. Some workers with pre-existing medical conditions such as: asthma, allergies, or impaired pulmonary and/or liver functions, or who may be particularly susceptible to this material, may be affected by exposure to this material.

12. Ecological Information

General Information
Information given is based on data on the components and the ecotoxicology of similar products. Resin is classified as toxic to aquatic life with long lasting effects. Hardener is classified as harmful to aquatic life with long lasting effects. Avoid release to the environment.

Supporting Data

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol-A/Epichlorohydrin (25068-38-6)</td>
<td>Fish, LC50</td>
<td>Salmo Gairdneri</td>
</tr>
<tr>
<td>Aquatic, Crustacea, EC50</td>
<td>Daphnia Magna</td>
<td></td>
</tr>
<tr>
<td>Benzene-1,3-dimethanamine (CAS 1477-55-0)</td>
<td>Aquatic, Crustacea, EC50</td>
<td>Daphnia Magna</td>
</tr>
</tbody>
</table>

Persistence and degradability: This product is not expected to be readily biodegradable.
Bioaccumulative potential: No data available for this product.
Mobility in soil: No data available.

Further Information

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. Disposal Consideration

Waste Disposal of Substance: Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Container Disposal: Empty containers or liners may retain some product residues; follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Disposal of Cured Product: Grind or chip off surfaces. Solid material does not need special disposal considerations.

14. Transportation Information

Resin (blue side)

UN number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrin), 9, III, Marine Pollutant
Precautions: Marine Pollutant
Required Labels: 9
ERG Code (IATA): 9L
EmS (IMDG): F-A, S-F

Hardener (clear side)

UN number: UN2735
UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Benzene-1,3-dimethaneamine(MXDA)), 8, II
Precautions: Corrosive
Required Labels: 8
ERG Code (IATA): 8L
EmS (IMDG): F-A, S-B

Additional Information

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
This substance/mixture is not intended to be transported in bulk.

This information does not cover all specific regulatory or operational requirements of this product. The classifications for transportation may vary by container volume or different regional or national regulations.

15. Regulatory Information

United States

Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.


Superfund Amendments and Reauthorization Act of 1986 (SARA)

<table>
<thead>
<tr>
<th>Hazard Categories</th>
<th>Immediate</th>
<th>Delayed</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resin</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Hardener</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

SARA 302 Extremely hazardous substance: No
SARA 311/312 Hazardous chemical: Yes
CRACK-PAC® Injection Epoxy
SAFETY DATA SHEET

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>&lt; 0.1</td>
</tr>
</tbody>
</table>

US State Right-To-Know Lists

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Massachusetts RTK</th>
<th>New Jersey Work and Community RTK Act</th>
<th>Pennsylvania Worker and Community RTK Law</th>
<th>Rhode Island RTK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene-1,3-dimethaneamine (CAS 1477-55-0)</td>
<td>Listed</td>
<td></td>
<td>Listed</td>
<td></td>
</tr>
<tr>
<td>Diethylenetriamine (CAS 111-40-0)</td>
<td>Listed</td>
<td></td>
<td>Listed</td>
<td></td>
</tr>
</tbody>
</table>

US. California Proposition 65: WARNING: This product contains a chemical listed by the State of California as known to cause cancer, birth defects, or reproductive harm.

<table>
<thead>
<tr>
<th>Component</th>
<th>Regulation</th>
<th>% In Blend (approx.)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene (91-20-3)</td>
<td>ACGIH</td>
<td>&lt; 0.1</td>
<td>Carcinogenic</td>
</tr>
</tbody>
</table>

Canada

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

WHMIS Classification

Class E: Corrosive
Class D-2A: Material Causing other toxic effects

International

International Inventories

<table>
<thead>
<tr>
<th>Country or Region</th>
<th>Inventory</th>
<th>On Inventory? (Yes/No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

16. Other Information

Date Prepared or Revised: September 2014
Supersedes: August 2012

Additional Resin (blue side) Classifications

NFPA Ratings

HMIS Rating

HEALTH HAZARD: 2
FLAMMABILITY HAZARD: 1
PHYSICAL HAZARD: 0
PERSONAL PROTECTION: B
**CRACK-PAC® Injection Epoxy**

**SAFETY DATA SHEET**

### Additional Hardener (black side) Classifications

#### NFPA Ratings

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>0</th>
<th>3</th>
</tr>
</thead>
</table>

#### HMIS Rating

<table>
<thead>
<tr>
<th></th>
<th>3</th>
<th>1</th>
<th>0</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH HAZARD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLAMMABILITY HAZARD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Abbreviations

- **ACGIH**: American Conference of Governmental Industrial Hygienists
- **CAS No.**: Chemical Abstract Service Registry Number
- **CERCLA**: Comprehensive Environmental Response, Compensation and Liability Act (U.S. EPA)
- **CPR**: Controlled Product Regulations (Canada)
- **DOT**: Department of Transportation (U.S.)
- **EPA**: Environmental Protection Agency (U.S.)
- **GHS**: Globally Harmonized System of Classification and Labeling of Chemicals
- **HEPA**: High-Efficiency Particulate Air
- **HMIS**: Hazardous Materials Identification System
- **IARC**: International Agency for Research on Cancer
- **IATA**: International Air Transport Association
- **IMDG**: International Maritime Dangerous Goods code
- **NIOSH**: National Institute of Occupational Safety and Health (U.S.)
- **NFPA**: National Fire Protection Association (US)
- **NTP**: National Toxicology Program (US)
- **OSHA**: Occupational Safety and Health Administration (U.S.)
- **PEL**: Permissible Exposure Limit
- **SARA**: Superfund Amendments and Reauthorization Act (U.S. EPA)
- **SDS**: Safety Data Sheet
- **STEL**: Short Term Exposure Limit (15 minute Time Weighted Average)
- **STOT**: Specific Target Organ Toxicity (GHS Classification)
- **TLV**: Threshold Limit Value
- **TSCA**: Toxic Substances Control Act (U.S.)
- **TWA**: Time Weighted Average (exposure for 8-hour workday)
- **VOC**: Volatile Organic Compounds
- **WHMIS**: Canadian Workplace Hazardous Materials Information System

### Disclaimer

This Safety Data Sheet (SDS) is prepared by Simpson Strong-Tie Co. in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this SDS. This SDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied, is given. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

© 2014 Simpson Strong-Tie Company Inc.

### Internal

<table>
<thead>
<tr>
<th>FOR INTERNAL USE ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRACK-PAC Resin: CRACK-PAC Hardener:</td>
</tr>
<tr>
<td>XCOM3B – 90% Cartridge XCOM3B – 10% Cartridge</td>
</tr>
<tr>
<td>XCORR – 10% Cartridge</td>
</tr>
</tbody>
</table>