FX-764 Splash Zone and Underwater Paste  
SAFETY DATA SHEET

1. Identification

**Product Identification**

**Product Identifier:** A Component FX-764  
**Recommended Use:** FX-764 Splash Zone and Underwater Paste is a two-component, 100% solids, moisture-tolerant, non-sag, trowel-grade epoxy designed for use in underwater applications.  
**Use Restrictions:** For industrial use only. To ensure proper installation, use according to package directions. Complete application instructions can be found in Simpson Strong-Tie catalogs or online at strongtie.com.

**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**

FX-764 Splash Zone and Underwater Paste is a two part (1:1 mix), trowel-grade epoxy designed for underwater applications for the general repair and maintenance of concrete, steel, and wood. The two parts of this product have been assessed according to the Globally Harmonized System (GHS). The mixed product can be assumed to carry the hazards of each component until the product has been fully cured. The final hardened material is gray and can be considered nonhazardous. Some hazards apply upon grinding or cutting through hardened product. This Safety Data Sheet covers hazards and responses for Component A. See Component B Safety Data Sheet for complete product information.

**Component A GHS Classification**

**Classification according to HazCom2012 (GHS)**

| Physical Hazards | Category 2 | H315: Cases skin irritation |
| Health Hazards:  |            |                            |
| Skin Corrosion/Irritation | Category 2 | H319: Causes serious eye irritation |
| Serious Eye Damage/Irritation | Category 2 | H317: May cause an allergic skin reaction |
| Sensitization, Skin | Category 1 | H317: May cause an allergic skin reaction |
| STOT, Single Exposure | Category 3 | H335: May cause respiratory irritation |
| Environmental Hazards: | Category 2 | H411: Toxic to aquatic life with long lasting effects |

**Main Symptoms:** Irritation of eyes and skin. Symptoms include redness, itching, burning, tearing, swelling, and blurred vision. May cause rash/allergic reaction to the skin. May cause shortness of breath, discomfort in chest, or coughing.

**GHS Label Elements**

Contains: Bisphenol-A-Epichlorohydrin Epoxy Resin, Crystalline Silica (Quartz), Titanium Dioxide  
**Signal Word:** WARNING!  
**Hazard Statements:**  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H317: May cause an allergic skin reaction.  
H335: May cause respiratory irritation.  
H411: Toxic to aquatic life with long lasting effects.  
**Precautionary Statements:**  
Prevention: P201: Obtain special instructions before use.
**FX-764 Splash Zone and Underwater Paste**

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P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing mist or vapor.
P264: Wash thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash before reuse.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 advice/attention.
P308+P313: If exposed or concerned: Get medical advice/attention.
P391: Collect spillage.

**Storage:**
P403: Store in a well-ventilated place.
P405: Store locked up.

**Disposal:**
P501: Dispose of contents/container in accordance with local/regional regulations.

**Supplemental Label Information:** None known.

### Hazards Not Otherwise Classified (HNOC)

FX-764 contains chemicals which are only considered carcinogens in their respirable form. Due to the nature of FX-764, the release of such carcinogens is unlikely. Exposure to dust/particles is possible only when grinding or cutting cured product. Simpson Strong-Tie chooses to warn consumers of this potential risk to ensure safe use of the product. If you are grinding or cutting cured product, ensure good work practice and use of personal protective equipment as needed to control exposure to respirable dust.

**Health Hazard:** Carcinogenicity Category 1A

**Hazard Statement:**

- H350: May cause cancer.
- H372: Causes damage to organs (lung) through prolonged or repeated exposure.

**Precautionary Statement:**
P260: Do not breathe dust.

### 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.

**List of abbreviations and symbols:**

Classification: Global Harmonized System Classifications

*The full text for H-phrases is displayed in section 16. All concentrations are in percent by weight unless otherwise noted.*

#### Composition – All concentrations are in percent by weight unless otherwise indicated.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
<th>CAS Number</th>
<th>EC Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Classifications:</strong> Skin Irrit. 2: H315, Eye Irrit. 2: H319, Skin Sens. 1: H317, STOT SE 3: H335, Aquatic Chronic 2: H411</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>1-15</td>
<td>14808-60-7</td>
<td>238-878-4</td>
</tr>
<tr>
<td><strong>Classifications:</strong> Carc. 1A: H350, STOT RE 2: H373</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>1-5</td>
<td>13463-67-7</td>
<td>236-675-5</td>
</tr>
<tr>
<td><strong>Classifications:</strong> Carc. 2: H351</td>
<td></td>
<td></td>
<td></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 and product, immediately wash affected area with soap and water. Do not apply greases or ointments. If rash or irritation persists, consult a physician.

Ingestion: Rinse mouth immediately. Do not induce vomiting. Consult a physician.

Inhalation: Remove patient to fresh air. Give oxygen or artificial respiration if needed. If patient continues to experience difficulty breathing, consult a physician.

Most Important Symptoms

Irritation of eyes and skin. Symptoms include redness, itching, burning, tearing, swelling, and blurred vision; shortness of breath, discomfort in chest, or coughing. Rash/dermatitis.

5. Fire-Fighting Measures

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

Additional Information: None known.

Hazard 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 well 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

Non-emergency personnel: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep unnecessary personnel away. 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.

Emergency personnel: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protection.

Clean-Up Methods

Small spills (uncured): Wipe up with absorbent material (e.g. cloth, fleece). Place in leak-proof containers. Seal tightly for proper disposal. Clean surface thoroughly to remove residual contamination.

Large spills (uncured): Stop the flow of material, if this is without risk. Dike far ahead of spill to contain material. Use a non-combustible material like vermiculite, sand or earth to soak up the product. Place in leak-proof containers. Seal tightly for proper disposal. Following product recovery, flush area with water.

Cured Material: Chip or grind off surface. If you are grinding or cutting cured product, ensure good work practice and use of personal protective equipment as needed to control exposure to respirable dust.

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. Avoid breathing vapor, mist, or dust. When using, do not eat, drink or smoke. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Pregnant women should not work with the product, if there is the least risk of exposure. Observe good industrial hygiene practices. Do not empty into drains; avoid release to the environment.

Storage

Store away from incompatible materials (see section 10). Keep in original container. Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Keep away from heat and sources of ignition. Store in a well-ventilated place. Protect against physical damage. Keep out of the reach of children.
8. Exposure Controls / Personal Protection

**Personal Protective Equipment**

- **Protective Measure:** 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:** A respirator is not required during normal use of this product in properly ventilated areas. Approved respirators should be worn when workplace conditions warrant respirator use.
- **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**

If exposure limits have not been established, maintain airborne levels to an acceptable level. When using indoors good general ventilation should be used. Provide eyewash station and emergency shower.

**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>Quartz (CAS 14808—60-7)</td>
<td>10 mg/m³</td>
<td>0.025 mg/m³ (respirable)</td>
<td>0.05 mg/m³ (respirable)</td>
</tr>
<tr>
<td>Titanium Dioxide (CAS 13463-67-7)</td>
<td>15 mg/m³ (Total dust)</td>
<td>10 mg/m³</td>
<td>N/E</td>
</tr>
</tbody>
</table>

9. Physical and Chemical Properties

- **Physical State:** Liquid
- **Form:** Paste
- **Color:** White
- **Odor:** Sweet
- **Odor Threshold:** N/E
- **pH:** N/E
- **Flammability:** N/E
- **Vapor Pressure:** Not Volatile
- **Solubility:** Insoluble
- **Decomposition:** N/E
- **Freezing/Melting Point:** N/E
- **Boiling Point:** >212°F (>100°C)
- **Flash Point:** N/E
- **Evaporation Rate:** N/E
- **Specific Gravity:** 1.4
- **VOC (A+B):** 6 g/L
- **U/L Flammability:** N/E
- **Vapor Density:** N/E
- **Kow:** N/E
- **Viscosity:** N/E

10. Stability and Reactivity

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

11. Toxicological Information

**Likely Routes of Exposure**

- **Ingestion:** Expected to be a low ingestion hazard.
- **Inhalation:** This material is a viscous liquid to semi-solid which does not easily form vapors. May cause respiratory irritation.
- **Skin contact:** Causes skin irritation. May cause an allergic skin reaction.
- **Eye contact:** Causes serious eye irritation.
- **Symptoms:** Redness, itching, burning, tearing, swelling, and blurred vision; shortness of breath, discomfort in chest, or coughing. Rash/dermatitis.

**Information on Toxicological Effects**

- **Acute Effects**
- **Toxicity:** Not expected to be acutely toxic.
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### FX-764 Component A Toxicity Estimate

<table>
<thead>
<tr>
<th>Component</th>
<th>Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute, Oral, LD50</td>
<td>&gt; 5000</td>
</tr>
<tr>
<td>Acute, Dermal, LD50</td>
<td>&gt; 2000</td>
</tr>
</tbody>
</table>

### Bisphenol-A-Epichlorohydrin (CAS 25068-38-6)

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute, Oral, LD50 Rat</td>
<td>11400 mg/kg</td>
</tr>
<tr>
<td>Acute, Dermal, LD50 Rabbit</td>
<td>2000 mg/kg</td>
</tr>
</tbody>
</table>

### Crystalline Silica, Quartz (CAS 14808-60-7)

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute, Oral, LD50 Rat</td>
<td>22500 mg/kg</td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation:
Causes skin irritation.

### Eye damage/eye irritation:
Causes serious eye irritation.

### Respiratory sensitization:
No data available.

### Skin sensitization:
May cause an allergic skin reaction.

### Aspiration hazard:
No data available.

### Specific target organ toxicity

**Single exposure:**
May cause respiratory irritation if vapors or mist is inhaled.

**Chronic Effects**

**Germ cell mutagenicity:**
The available data does not indicate that any components of this product present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:**
May cause cancer. Both the A and B components of this product contain components that are listed carcinogens. These components are considered carcinogens only in their respirable form. Due to the nature of this product, exposure is highly unlikely. Exposure to dust/particles is likely only when grinding or cutting cured product. Ensure good work practice and use of personal protective equipment to control exposure to processing dust.

**Reproductive toxicity:**
Not expected to cause reproductive or developmental effects.

**Specific target organ toxicity

**Repeated exposure:**
May cause damage to organs (lung) through prolonged or repeated exposure. Both the A and B components of this product contain quartz, which can cause damage to the lungs only in its respirable form. Exposure to dust/particle is likely only when grinding or cutting cured product. Ensure good work practice and use of personal protective equipment to control exposure to processing dust.

### Carcinogen / Reproductive Toxin / Mutagen Information

<table>
<thead>
<tr>
<th>Component</th>
<th>% In Blend (approx.)</th>
<th>IARC Monographs</th>
<th>NTP</th>
<th>ACGIH</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (CAS 14808-60-7)</td>
<td>1-15</td>
<td>1</td>
<td>KNOWN</td>
<td>A2</td>
<td>CA65</td>
</tr>
<tr>
<td>Titanium Dioxide (CAS 13463-67-7)</td>
<td>1-5</td>
<td>2B</td>
<td>---</td>
<td>---</td>
<td>CA65</td>
</tr>
</tbody>
</table>

IARC: 1 - Carcinogenic  2 - Possibly carcinogenic  3 - Not classifiable as to carcinogenicity  4 - Probably not carcinogenic
NTP: Known to be human carcinogen or Reasonably anticipated to be a human carcinogen
ACGIH – A1 – Confirmed carcinogen  A2 – Suspected carcinogen  A3 – Animal carcinogen  A4 – Not classified  A5 – Not suspected
CA65 – California Prop 65

### 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 certain 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.

### Ecological Information

**General Information**
Information given is based on data on the components and the ecotoxicology of similar products. The product is classified as toxic 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-Epichlorohydrid Epoxy Resin (CAS 25068-38-6)</td>
<td>Aquatic, Fish, LC50</td>
<td>Salmo gairdneri</td>
</tr>
<tr>
<td>Bisphenol-A-Epichlorohydrid Epoxy Resin (CAS 25068-38-6)</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.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Log Kow</th>
<th>BCF</th>
<th>Bioaccumulation Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol-A-Epichlorohydrid Epoxy Resin (CAS 25068-38-6)</td>
<td>2.64-3.78</td>
<td>3-31</td>
<td>low</td>
</tr>
</tbody>
</table>

Mobility in soil: This product is insoluble in water and is non-volatile.

Other Adverse Effects
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 Considerations

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 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: Chip or grind off surface. Solid material does not need special disposal consideration.

14. Transportation Information

FX-764 Component A is not regulated for ground transportation by the USDOT; check specific requirements for other regions and other shipping methods.

UN number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrid Resin), 9, III, Marine Pollutant
Transportation Class: 9
Precautions: Other Hazard
Packing Group: III
Environment Hazard: Yes
Required Labels: 9
ERG Code (IATA): 9L
EmS (IMDG): F-A, S-F

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.

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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></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
SARA 313 (TRI reporting): Not regulated.

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

Carcinogen / Reproductive Toxin / Mutagen Information

<table>
<thead>
<tr>
<th>Component</th>
<th>% In Blend (approx.)</th>
<th>IARC Monographs</th>
<th>NTP</th>
<th>ACGIH</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (CAS 14808-60-7)</td>
<td>1-15</td>
<td>1</td>
<td>KNOWN</td>
<td>A2</td>
<td>CA65 (Carcinogenic)</td>
</tr>
<tr>
<td>Titanium Dioxide (CAS 13463-67-7)</td>
<td>1-5</td>
<td>2B</td>
<td>---</td>
<td>---</td>
<td>CA65 (Carcinogenic)</td>
</tr>
</tbody>
</table>

IARC: 1-Carcinogenic 2-Possibly carcinogenic 3-Not classifiable as to carcinogenicity 4-Probably not carcinogenic
NTP: Known to be human carcinogen or Reasonably anticipated to be a human carcinogen
ACGIH – A1 – Confirmed carcinogen A2 – Suspected carcinogen A3 – Animal carcinogen A4 – Not classified A5 – Not suspected
CA65 – California Prop 65

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 Act</th>
<th>Rhode Island RTK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>Quartz (CAS 14808-60-7)</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
</tbody>
</table>

Canada

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

International

The product is classified and labeled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

REACH Registered Substances

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Index Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol-A-Epichlorohydrin Epoxy Resin</td>
<td>25068-38-6</td>
<td>500-033-5</td>
<td>603-074-00-8</td>
</tr>
</tbody>
</table>

This product is not subject to or not applicable for any of the following International Regulations; Stockholm Convention, Rotterdam Convention, Kyoto Protocol, Montreal Protocol, Basel Convention.

International Inventories

<table>
<thead>
<tr>
<th>Country</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>One or more components of this product are not listed on the Australian Inventory of Chemical Substances (AICS).</td>
</tr>
<tr>
<td>Canada</td>
<td>All components of this product are included on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).</td>
</tr>
<tr>
<td>China</td>
<td>All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).</td>
</tr>
<tr>
<td>Europe</td>
<td>One or more components of this product are not included on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are not exempt from listing.</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Japan</th>
<th>One or more components in this product are not listed on the Inventory of Existing and New Chemical Substances (ENCS).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korea</td>
<td>All components of this product are included on the Existing Chemicals List (ECL).</td>
</tr>
<tr>
<td>New Zealand</td>
<td>One or more components of this product are not included on the New Zealand Inventory.</td>
</tr>
<tr>
<td>Philippines</td>
<td>One or more components in this product are not listed in the Philippine Inventory of Chemicals and Chemical Substances (PICCS).</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>All components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory or are not required to be listed.</td>
</tr>
</tbody>
</table>

16. Other Information

Date Prepared or Revised: August 2016
Supersedes: January 2015

Contact Simpson Strong-Tie Environmental Health and Safety at EHS@strongtie.com.

Additional Classifications

<table>
<thead>
<tr>
<th>NFPA Ratings</th>
<th>HMIS Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>PHYSICAL</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>PPE</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)
HPR: Hazardous Product Regulations (Canada)
DOT: Department of Transportation (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)
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

Full text of H- Phrases Under Section 3

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
HX-764 Splash Zone and Underwater Paste
SAFETY DATA SHEET

H335: May cause respiratory irritation.
H350: May cause cancer.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.

Disclaimer

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.

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Internal

FOR INTERNAL USE ONLY

A Component 764:  B Component 764:
XCOM3B  XCOM3B
XCOM3B  XCORR
FX-764 Splash Zone and Underwater Paste
SAFETY DATA SHEET

1. Identification

Product Identification

Product Identifier: B Component FX-764
Recommended Use: FX-764 Splash Zone and Underwater Paste is a two-component, 100% solids, moisture-tolerant, non-sag, trowel-grade epoxy designed for use in underwater applications.
Use Restrictions: For industrial use only. To ensure proper installation, use according to package directions. Complete application instructions can be found in Simpson Strong-Tie catalogs or online at strongtie.com.

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

FX-764 Splash Zone and Underwater Paste is a two part (1:1 mix), trowel-grade epoxy designed for underwater applications for the general repair and maintenance of concrete, steel, and wood. The two parts of this product have been assessed according to the Globally Harmonized System (GHS). The mixed product can be assumed to carry the hazards of each component until the product has been fully cured. The final hardened material is gray and can be considered nonhazardous. Some hazards apply upon grinding or cutting through hardened product. This Safety Data Sheet covers hazards and responses for Component B. See Component A Safety Data Sheet for complete product information.

Component B GHS Classification

Classification according to HazCom2012 (GHS)

| Physical Hazards: Not Classified. |
| Health Hazards: |
| Skin Corrosion/Irritation Category 1 H314: Causes severe skin burns and eye damage |
| Serious Eye Damage/Irritation Category 1 H318: Causes severe eye damage |
| Sensitization, Skin Category 1 H317: May cause an allergic skin reaction |
| Reproductive Toxicity Category 2 H361: Suspected of damaging fertility or the unborn child |
| Environmental Hazards: |
| Acute Aquatic Hazard Category 3 H402: Harmful to aquatic life |
| Chronic Aquatic Hazard Category 3 H412: Harmful to aquatic life with long lasting effects |

Main Symptoms: Damage to the eyes and skin. Symptoms include burns, redness, itching, tearing, swelling, and blurred vision. May cause rash/allergic reaction to the skin. Long term exposure may cause chronic effects.

GHS Label Elements

Contains: Fatty Acids, c18-unsatd. Dimers; Crystalline Silica (Quartz); Triethylenetetramine
Signal Word: DANGER!
Hazard Statements:
H314: Causes severe skin burns and eye damage.
H318: Causes severe eye damage.
H317: May cause an allergic skin reaction.
H361: Suspected of damaging fertility or the unborn child.
H402: Harmful to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements:
Prevention:
P201: Obtain special instructions before use.
FX-764 Splash Zone and Underwater Paste

SAFETY DATA SHEET

P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe mist, vapor, or dust.
P264: Wash thoroughly after handling.
P270: Do not eat, drink, or smoke when using this product.
P271: Use only outdoor or in a well-ventilated area.
P272: Contaminated clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/clothing/eye protection/face protection.

Response:
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P312: Call a poison center/doctor if you feel unwell.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 advice/attention.
P308+P313: If exposed or concerned: Get medical attention/advice.
P391: Collect spillage.

Storage:
P405: Store locked up.

Disposal:
P501: Dispose of contents/container in accordance with local/regional regulations.

Supplemental Label Information: None known.

Hazard Not Otherwise Classified (HNOC)
FX-764 contains chemicals which are only considered carcinogens in their respirable form. Due to the nature of FX-764, the release of such carcinogens is unlikely. Exposure to dust/particles is possible only when grinding or cutting cured product. Simpson Strong-Tie chooses to warn consumers of this potential risk to ensure safe use of the product. If you are grinding or cutting cured product, ensure good work practice and use of personal protective equipment as needed to control exposure to respirable dust.

Health Hazard: Carcinogenicity Category 1A
STOT, Repeated Exposure Category 2

Hazard Statement:
H350: May cause cancer.
H372: Causes damage to organs (lung) through prolonged or repeated exposure.

Precautionary Statement:
P260: Do not breathe dust.

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.

List of abbreviations and symbols:
Classification: Global Harmonized System Classifications
The full text for H-phrases is displayed in section 16. All concentrations are in percent by weight unless otherwise noted.

Composition – All concentrations are in percent by weight unless otherwise indicated.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
<th>CAS Number</th>
<th>EC Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty acids, C18-unsat., dimers</td>
<td>30-60</td>
<td>68082-29-1</td>
<td>500-191-5</td>
</tr>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>5-15</td>
<td>14080-60-7</td>
<td>238-878-4</td>
</tr>
<tr>
<td><strong>Classifications</strong>: Carc. 1A: H350, STOT RE 2: H373</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triethyleneetetramine</td>
<td>1-5</td>
<td>112-24-3</td>
<td>203-950-6</td>
</tr>
<tr>
<td><strong>Classifications</strong>: Skin Corr. 1: H314, Skin Sens. 1: H317</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polymeric Cycloaliphatic Amines</td>
<td>1-5</td>
<td>135108-88-2</td>
<td>603-894-6</td>
</tr>
<tr>
<td><strong>Classifications</strong>: Acute Tox. 4: H302, Skin Corr. 1: H314</td>
<td></td>
<td></td>
<td></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 immediately.

Skin Contact: Remove contaminated clothing and product, immediately wash affected area with soap and water. If rash or irritation persists, consult a physician.

Ingestion: Rinse mouth immediately. Do NOT induce vomiting. Consult a physician.

Inhalation: Remove patient to fresh air. Give oxygen or artificial respiration if needed. If patient continues to experience difficulty breathing, consult a physician.

Most Important Symptoms
Damage to the eyes and skin. Symptoms include burns, redness, itching, tearing, swelling, and blurred vision. Rash/dermatitis. Permanent eye damage including blindness could result.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water fog, carbon dioxide, dry chemical powder, aqueous foam.

Additional Information: None known.

Hazards during Fire-Fighting: Irritating and toxic fumes may be produced at high temperature. Hazardous gases/vapors produced are carbon monoxide, carbon dioxide, oxides of nitrogen, cyanide, aldehydes, and miscellaneous hydrocarbons

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 well 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

Non-emergency personnel: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep unnecessary personnel away. 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.

Emergency personnel: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protection.

Clean-Up Methods

Small spills (uncured): Wipe up with absorbent material (e.g. cloth, fleece). Place in leak-proof containers. Seal tightly for proper disposal. Clean surface thoroughly to remove residual contamination.

Large spills (uncured): Stop the flow of material, if this is without risk. Dike far ahead of spill to contain material. Use a non-combustible material like vermiculite, sand or earth to soak up the product. Place in leak-proof containers. Seal tightly for proper disposal. Following product recovery, flush area with water.

Cured Material: Chip or grind off surface. If you are grinding or cutting cured product, ensure good work practice and use of personal protective equipment as needed to control exposure to respirable dust.

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

Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Avoid breathing fumes or vapors. When in use do not eat, drink, or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Pregnant women should not work with the product, if there is the least risk of exposure. Avoid prolonged exposure. Observe good industrial hygiene practices. Do not empty into drains; avoid release to the environment.

Storage

Store locked up. Store away from incompatible materials (Section 10 of the SDS). Keep in original container, keep container tightly closed. Store in a cool, dry place out of direct sunlight. Keep away from heat and sources of ignition. Protect from physical damage.

8. Exposure Controls / Personal Protection

Personal Protective Equipment

Protective Measure: 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 shirts/long pants and other clothing as required to minimize contact.
Respirator Protection: The use of a respirator is not required during normal use of this product in properly ventilated areas. An approved respirator should be worn whenever workplace conditions warrant respirator use, or when grinding or cutting cured product.
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 should be used. Ventilation rates should be matched to conditions. Provide eyewash station and emergency shower.

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>Triethylenetetramine* (CAS 112-24-3)</td>
<td>N/E</td>
<td>N/E</td>
<td>1 ppm (WEEL)</td>
</tr>
<tr>
<td>Quartz (CAS 14808-60-7)</td>
<td>10 × ( \frac{mg}{m^3} ) ( \frac{SiO_2 + 2}{3} )</td>
<td>0.025 mg/m(^3) (respirable)</td>
<td>0.05 mg/m(^3) (respirable)</td>
</tr>
</tbody>
</table>

*Skin Designation: Material can be absorbed through the skin.

9. Physical and Chemical Properties

| Physical State: | Liquid | Freezing/Melting Point: | N/E |
| Form: | Paste | Boiling Point: | N/E |
| Color: | Black | Flash Point: | 262°F (128°C) |
| Odor: | Ammonia | Evaporation Rate: | N/E |
| Odor Threshold: | N/E | Specific Gravity: | 1.41 |
| pH: | N/E | Viscosity: | N/E |
| Flammability: | N/E | U/L Flammability: | N/E |
| Vapor Pressure: | N/E | Vapor Density: | N/E |
| Solubility: | Slight | Kow: | N/E |
| Decomposition: | N/E | VOC (A+B): | 6 g/L |

10. Stability and Reactivity

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

11. Toxicological Information

Likely Routes of Exposure

Ingestion: Corrosive. If swallowed, do NOT induce vomiting.
Inhalation: Not expected to cause respiratory irritation.
Skin contact: Causes skin burns. May cause an allergic skin reaction.
Eye contact: Causes severe eye damage.
Symptoms: Burns, redness, itching, tearing, swelling, and blurred vision. Rash/dermatitis.

### Information on Toxicological Effects

#### Acute Effects

**Toxicity:** Not expected to be acutely toxic.

<table>
<thead>
<tr>
<th>Component</th>
<th>Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX-764 Component B Toxicity Estimate</td>
<td></td>
</tr>
<tr>
<td><strong>Acute, Oral, LD50</strong></td>
<td>2179</td>
</tr>
<tr>
<td><strong>Acute, Dermal, LD50</strong></td>
<td>2002</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty acids, C18-unsat., dimers (CAS 68082-29-1)</td>
<td><strong>Acute, Oral, LD50</strong></td>
<td>Rat 2000 mg/kg</td>
</tr>
<tr>
<td></td>
<td><strong>Acute, Dermal, LD50</strong></td>
<td>Rabbit 2000 mg/kg</td>
</tr>
<tr>
<td>Crystalline Silica, Quartz (CAS 14808-60-7)</td>
<td><strong>Acute, Oral, LD50</strong></td>
<td>Rat 22500 mg/kg</td>
</tr>
<tr>
<td>Triethylentetramine (CAS 112-24-3)</td>
<td><strong>Acute, Oral, LD50</strong></td>
<td>Rat 2500 mg/kg</td>
</tr>
<tr>
<td></td>
<td><strong>Acute, Dermal, LD50</strong></td>
<td>Rabbit 550 mg/kg</td>
</tr>
<tr>
<td>Polymeric Cycloaliphatic Amines (CAS 135108-88-2)</td>
<td><strong>Acute, Oral, LD50</strong></td>
<td>Rat &gt; 367 mg/kg</td>
</tr>
<tr>
<td></td>
<td><strong>Acute, Dermal, LD50</strong></td>
<td>Rabbit &gt; 2000 mg/kg</td>
</tr>
<tr>
<td>gamma-Aminopropyltriethoxysilane (CAS 919-30-2)</td>
<td><strong>Acute, Oral, LD50</strong></td>
<td>Rat 1780 mg/kg</td>
</tr>
<tr>
<td></td>
<td><strong>Acute, Dermal, LD50</strong></td>
<td>Rabbit 4 ml/kg</td>
</tr>
<tr>
<td>Nonyl Phenol (CAS 84852-15-3)</td>
<td><strong>Acute, Oral, LD50</strong></td>
<td>Rat 1300 mg/kg</td>
</tr>
<tr>
<td></td>
<td><strong>Acute, Dermal, LD50</strong></td>
<td>Rabbit 2033 mg/kg</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation:** Causes severe skin burns and eye damage.
**Eye damage/eye irritation:** Causes severe eye damage.
**Respiratory sensitization:** No data available.
**Skin sensitization:** May cause skin sensitization by contact.
**Aspiration hazard:** No data available.
**Specific target organ toxicity**

#### Chronic Effects

**Germ cell mutagenicity:** The available data does not indicate that any components of this product present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** May cause cancer. Both the A and B components of this product contain components that are listed carcinogens. These components are considered carcinogens only in their respirable form. Due to the nature of this product, exposure is highly unlikely. Exposure to dust/particles is likely only when grinding or cutting cured product. Ensure good work practice and use of personal protective equipment to control exposure to processing dust.

**Reproductive toxicity:** Components of this product are suspected of damaging fertility or the unborn child.

**Specific target organ toxicity**

#### Repeated exposure:

May cause damage to organs (lung) through prolonged or repeated exposure. Both the A and B components of this product contain quartz, which can cause damage to the lungs only in its respirable form. Exposure to dust/particle is likely only when grinding or cutting cured product. Ensure good work practice and use of personal protective equipment to control exposure to processing dust.
**FX-764 Splash Zone and Underwater Paste**

**SAFETY DATA SHEET**

### Carcinogen / Reproductive Toxin / Mutagen Information

<table>
<thead>
<tr>
<th>Component</th>
<th>% In Blend (approx.)</th>
<th>IARC Monographs</th>
<th>NTP</th>
<th>ACGIH</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (CAS 14808-60-7)</td>
<td>5-15</td>
<td>1</td>
<td>KNOWN</td>
<td>A2</td>
<td>CA65</td>
</tr>
<tr>
<td>Nonyl Phenol (CAS 84852-15-3)</td>
<td>&lt; 1</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>Limited evidence of reproductive toxicity (NOAEL &gt;2000 ppm)</td>
</tr>
</tbody>
</table>

IARC: 1 - Carcinogenic  2 - Possibly carcinogenic  3 – Not classifiable as to carcinogenicity  4 – Probably not carcinogenic  
NTP: Known to be human carcinogen or Reasonably anticipated to be a human carcinogen  
ACGIH – A1 – Confirmed carcinogen  A2 – Suspected carcinogen  A3 – Animal carcinogen  A4 – Not classified  A5 – Not suspected  
CA65 – California Prop 65

### 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 certain 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.

### Ecological Information

**General Information**

Information given is based on data on the components and the ecotoxicology of similar products. The product is classified as very toxic 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>Polymeric Cycoaliphatic Amines (CAS 135108-88-2)</td>
<td>Aquatic, Fish, LC50</td>
<td>Poecilia reticulata</td>
</tr>
<tr>
<td>gamma-Aminopropyltriethoxysilane (CAS 919-39-2)</td>
<td>Aquatic, Fish, LC50</td>
<td>Brachydanio rerio</td>
</tr>
<tr>
<td></td>
<td>Aquatic, Crustacea, EC50</td>
<td>Daphnia magna</td>
</tr>
<tr>
<td></td>
<td>Aquatic, Algae, EC50</td>
<td>Green algae</td>
</tr>
<tr>
<td>Nonylphenol (CAS 84852-15-3)</td>
<td>Aquatic, Fish, LC50</td>
<td>Winter Flounder</td>
</tr>
<tr>
<td></td>
<td>Aquatic, Crustacea, EC50</td>
<td>Clam</td>
</tr>
</tbody>
</table>

Persistence and degradability: No data available.  
Bioaccumulative potential: No data available for the product.  
Mobility in soil: No data available.

### Other Adverse Effects

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

### Disposal Considerations

**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 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:** Chip or grind off surface. Solid material does not need special disposal consideration.

### Transportation Information

UN number: UN2735  
UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Triethylenetriamine), 8, III, Marine Pollutant  
Transportation Class: 8 (9)  
Precautions: Corrosive, Other Hazard  
Packing Group: III  
Environment Hazard: Yes  
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: Not applicable.

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.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):
Nonyl Phenol (CAS 84852-15-3) LISTED


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></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
SARA 313 (TRI reporting):

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>% In Blend (approx.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonyl Phenol</td>
<td>84852-15-3</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

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

Carcinogen / Reproductive Toxin / Mutagen Information

<table>
<thead>
<tr>
<th>Component</th>
<th>% In Blend (approx.)</th>
<th>IARC Monographs</th>
<th>NTP</th>
<th>ACGIH</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td>5-15</td>
<td>1</td>
<td>KNOWN</td>
<td>A2</td>
<td>CA65 (Carcinogenic)</td>
</tr>
</tbody>
</table>

IARC: 1- Carcinogenic; 2- Possibly carcinogenic; 3- Not classifiable as to carcinogenicity; 4- Probably not carcinogenic
NTP: Known to be human carcinogen or Reasonably anticipated to be a human carcinogen
ACGIH – A1 – Confirmed carcinogen A2 – Suspected carcinogen A3 – Animal carcinogen A4 – Not classified A5 – Not suspected
CA65 – California Prop 65

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>
<th>Maine CHC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethylenetriamine (CAS 112-24-3)</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quartz (CAS 14808-60-7)</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonyl Phenol (CAS 84852-15-3)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Listed</td>
</tr>
</tbody>
</table>

Canada

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.
The product is classified and labeled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work.

### REACH Registered Substances

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Index Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethylenetetramine</td>
<td>112-24-3</td>
<td>203-950-6</td>
<td>612-059-0-5</td>
</tr>
<tr>
<td>gamma-Aminopropyltriethoxysilane</td>
<td>919-30-2</td>
<td>213-048-4</td>
<td>612-108-00-0</td>
</tr>
<tr>
<td>Nonyl Phenol</td>
<td>84852-15-3</td>
<td>284-325-5</td>
<td>601-053-00-8</td>
</tr>
</tbody>
</table>

This product is not subject to or not applicable for any of the following International Regulations: **Stockholm Convention, Rotterdam Convention, Kyoto Protocol, Montreal Protocol, Basel Convention.**

### International Inventories

<table>
<thead>
<tr>
<th>Country</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>One or more components of this product are not listed on the Australian Inventory of Chemical Substances (AICS).</td>
</tr>
<tr>
<td>Canada</td>
<td>All components of this product are included on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).</td>
</tr>
<tr>
<td>China</td>
<td>All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).</td>
</tr>
<tr>
<td>Europe</td>
<td>All components of this product are included on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.</td>
</tr>
<tr>
<td>Japan</td>
<td>One or more components in this product are not listed on the Inventory of Existing and New Chemical Substances (ENCS).</td>
</tr>
<tr>
<td>Korea</td>
<td>All components of this product are included on the Existing Chemicals List (ECL).</td>
</tr>
<tr>
<td>New Zealand</td>
<td>All components of this product are included on the New Zealand Inventory.</td>
</tr>
<tr>
<td>Philippines</td>
<td>All components in this product are listed in the Philippine Inventory of Chemicals and Chemical Substances (PICCS).</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>All components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory or are not required to be listed.</td>
</tr>
</tbody>
</table>

### 16. Other Information

- **Date Prepared or Revised:** August 2016
- **Supersedes:** January 2015

Contact Simpson Strong-Tie Environmental Health and Safety at EHS@strongtie.com.

### Additional Classifications

**NFPA Ratings**

- **1**
- **3**
- **0**

**HMIS Rating**

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>PHYSICAL</th>
<th>FLAMMABILITY</th>
<th>PPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>1</td>
<td>B</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)
- **HPR:** Hazardous Product Regulations (Canada)
- **DOT:** Department of Transportation (U.S.)
- **GHS:** Globally Harmonized System of Classification and Labeling of Chemicals
FX-764 Splash Zone and Underwater Paste
SAFETY DATA SHEET

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)
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

Full text of H- Phrases Under Section 3
H227: Combustible liquid.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H350: May cause cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H402: Harmful to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

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.

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Internal

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XCOM3B XCOM3B
XCOM3B XCORR