# SET-XP® High-Strength Epoxy Adhesive

## SAFETY DATA SHEET

### 1. Identification

**Product Identification**

- **Product Identifier:** SET-XP®
- **Recommended Use:** SET-XP® is a high-strength, anchoring adhesive for cracked and uncracked concrete.
- **Use Restrictions:** 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
- **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

SET-XP High-Strength Epoxy Adhesive is for anchoring doweling in cracked and uncracked concrete and masonry. It is a two-part (1:1) system packaged as a single unit in a dual cartridge. The two parts of this product have been individually assessed according to the Globally Harmonized System (GHS). Exposure to the individual components will only occur with improper use. The resin and hardener are dispensed and mixed simultaneously through the mixing nozzle. The mixed product can be assumed to carry the hazards of each component until the product has fully hardened. The final cured product will be uniformly teal in color and can be considered nonhazardous. Some hazards may apply upon grinding or cutting through hardened product. This Safety Data Sheet covers the hazards and responses for the safe use of this product.

#### Resin (White Side) GHS Classification

**Classification according to HazCom2012 (GHS)**

- **Physical Hazards:** Not Classified.
- **Health Hazards:**
  - Skin Corrosion/Irritation Category 2  H315: Causes skin irritation
  - Serious Eye Damage/Irritation Category 2  H319: Causes serious eye irritation
  - Sensitization, Skin Category 1  H317: May cause an allergic skin reaction
  - Germ Cell Mutagenicity Category 2  H341: Suspected of causing genetic defects
  - Carcinogenicity Category 2  H351: Suspected of causing cancer
- **Environmental Hazards:** Chronic Aquatic Hazard 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. Long term exposure may cause chronic effects.

#### GHS Label Elements

- **Contains:** Resins, Butyl Glycidyl Ether, Titanium Dioxide
- **Signal Word:** WARNING!
- **Hazard Statements:**
  - H315: Causes skin irritation.
  - H319: Causes serious eye irritation.
  - H317: May cause an allergic skin reaction.
  - H341: Suspected of causing genetic defects.
  - H351: Suspected of causing cancer.
  - H411: Toxic to aquatic life with long lasting effects.
- **Precautionary Statements:**
  - **Prevention:** P102: Keep out of reach of children.
  - P103: Read label before use.
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing dust, mist, or vapors.
P264: Wash thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to 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 re-use.
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: Call a poison center/doctor.
P391: Collect spillage.

Storage:
P403: Store in a well-ventilated place.
P405: Store locked up.
P411: Store between 45-90°F (7-32°C).

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

Supplemental Label Information: None known.

Hardener (Green Side) GHS Classification

Classification according to HazCom2012 (GHS)

Physical Hazards: Not Classified.
Health Hazards:
- Skin Corrosion/Irritation Category 1 H314: Causes severe skin burns
- Serious Eye Damage/Irritation Category 1 H318: Causes serious eye damage
- Sensitization, Skin Category 1 H317: May cause an allergic skin reaction
- Germ Cell Mutagenicity Category 2 H341: Suspected of causing genetic defects
- STOT, Repeated Exposure Category 2 H373: May cause damage to organs through prolonged or repeated exposure

Environmental Hazards: Not Classified.

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: Crystalline Silica (Quartz), Phenols, Amines
Signal Word: DANGER!
Hazard Statements:
- H314: Causes severe skin burns and eye damage.
- H318: Causes serious eye damage.
- H317: May cause an allergic skin reaction.
- H341: Suspected of causing genetic defects.
- H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:
Prevention:
P102: Keep out of reach of children.
P103: Read label before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust, mist, or vapor.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing must not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P284: In case of inadequate ventilation wear respiratory protection.

Response:
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310: Immediately call a POISON CENTER/doctor.
P303+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315: Get immediately medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P308+P313: If exposed or concerned: Get medical advice/attention.

Storage:
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P411: Store between 45-90°F (7-32°C).

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

Supplemental Label Information: None known.

Hazards Not Otherwise Classified (HNOC)
The above hazards are for the uncured components of SET-XP. Upon combination of the two components, an innocuous solid which does not present any immediate hazards is formed. Upon grinding or cutting the cured product, the following hazards may apply. Ensure good work practice and use of personal protective equipment as needed to control exposure to processing dust.

Health Hazard: Carcinogenicity Category 1A
OSHA Hazard: STOT, Repeated Exposure Category 1
Combustible Dust

Hazard Statement:
May cause cancer.
May cause damage to organs (lungs) with prolonged and repeated exposure.
Can form explosive air-dust mixtures, avoid creating dust.

Precautionary Statement:
Do not breathe dust.
Do not allow dust to build up on surfaces.

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.

Resin (White Side)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
<th>CAS Number</th>
<th>EC Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol-A Based Epoxy Resin</td>
<td>30-50</td>
<td>25068-38-6</td>
<td>500-033-5</td>
</tr>
<tr>
<td><strong>Classifications</strong>:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phenolic Novolac Resin</td>
<td>40-70</td>
<td>28064-14-4</td>
<td>608-164-0</td>
</tr>
<tr>
<td><strong>Classifications</strong>:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Butyl Glycidyl Ether</td>
<td>1-5</td>
<td>2426-08-6</td>
<td>219-376-4</td>
</tr>
<tr>
<td><strong>Classifications</strong>:</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>:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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 immediately.

**Skin Contact:** Remove contaminated clothing and product; immediately wash affected area with soap and water. Do not apply greases or ointments. Chemical burns must be treated by a physician.

**Ingestion:** Rinse mouth immediately. Give large amounts of milk or water if the person is conscious. Only induce vomiting at the instruction of medical personnel. Consult a physician immediately.

**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. Permanent eye damage, including blindness, could result. Rash/dermatitis.

5. Fire-Fighting Measures

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

**Additional Information:** None known.

**Hazardous Decomposition Products:** Hazardous decomposition products may occur when materials polymerize at temperatures above 500°F (260°C). Irritating and toxic gases/fumes may be released during a fire. Water run-off can cause environmental damage.

**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 by 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.
Exposure Limits

Engineering Controls

Mechanical ventilation or local exhaust ventilation is recommended, ventilation rates should be matched to conditions to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and emergency shower.

Exposure Limits
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, Paste</td>
<td>Liquid, Paste</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
<td>Dark Green</td>
</tr>
<tr>
<td>Odor</td>
<td>Sweet</td>
<td>Ammonia</td>
</tr>
<tr>
<td>pH</td>
<td>6.9</td>
<td>10.3</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>Non-volatile</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>&gt; 500 °F (&gt;260 °C)</td>
<td>No data</td>
</tr>
<tr>
<td>Flash Point</td>
<td>250 °F (121 °C) Open Cup</td>
<td>262 °F (128 °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>1.21 at 72°F (22°C)</td>
<td>1.59 at 72°F (22°C)</td>
</tr>
<tr>
<td>VOC (after cure)</td>
<td>3 g/L</td>
<td>3 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>
</tbody>
</table>

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: Resin: Oxidizing agents, acids, organic bases, and amines. Hardener: Strong oxidizing agents, peroxides, phenols, and acids
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: Corrosive material; causes severe irritation or burns to the gastrointestinal tract and respiratory tract.
Inhalation: Prolonged inhalation may cause temporary respiratory irritation.
Skin contact: Causes severe 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. Severe irritation or burns to the gastrointestinal tract and respiratory system.

Information on Toxicological Effects
**SET-XP® High-Strength Epoxy Adhesive**

**SAFETY DATA SHEET**

### Acute Effects

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>SET-XP Resin</td>
<td>Acute, Oral, LD50 Rat</td>
<td>&gt; 5000</td>
</tr>
<tr>
<td></td>
<td>Acute, Dermal, LD50 Rabbit</td>
<td>&gt; 2000</td>
</tr>
<tr>
<td>SET-XP Hardener</td>
<td>Acute, Oral, LD50 Rat</td>
<td>&gt; 5000</td>
</tr>
<tr>
<td></td>
<td>Acute, Dermal, LD50 Rabbit</td>
<td>&gt; 2000</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation:** Causes severe skin irritation and burns.

**Eye damage/eye irritation:** Causes serious eye irritation and damage.

**Respiratory sensitization:** No data available.

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

**Aspiration hazard:** Due to the nature of this product, it is not expected to be an aspiration hazard.

**Specific target organ toxicity**

- **Single exposure:** No data available.

### Chronic Effects

**Germ cell mutagenicity:**
This product contains components that are suspected of causing genetic defects.

**Carcinogenicity:** Suspected of causing cancer. The product also contains components which are considered carcinogens only in their respirable form. Due to the nature of this product, exposure to respirable particles is likely only when grinding or cutting cured product. Ensure good work practice and use of personal protective equipment as needed to control exposure.

**Reproductive toxicity:** The available data does not indicate that any ingredients of this product are reproductive toxins.

**Specific target organ toxicity**

- **Repeated exposure:** May cause damage to organs through prolonged or repeated exposure.

### 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>20-40</td>
<td>1</td>
<td>KNOWN</td>
<td>A2</td>
<td>CA65</td>
</tr>
<tr>
<td>Titanium Dioxide (CAS 13463-67-7)</td>
<td>&lt; 5</td>
<td>2B</td>
<td>---</td>
<td>---</td>
<td>CA65</td>
</tr>
<tr>
<td>Carbon Black (CAS 1333-86-4)</td>
<td>&lt; 1</td>
<td>2B</td>
<td>---</td>
<td>---</td>
<td>CA65</td>
</tr>
<tr>
<td>Phenol (CAS 108-95-2)</td>
<td>1-5</td>
<td>3</td>
<td>---</td>
<td>A4</td>
<td>in vitro tests show limited mutagenic properties in human cells</td>
</tr>
</tbody>
</table>

IARC: 1 – Carcinogenic 2 – Possibly carcinogenic 3 – Not classifiable as to carcinogenicity 4 – Probably not carcinogenic
NTP: Known to be a 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 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. SET-XP Resin is classified as toxic to aquatic life with long lasting effects. SET-XP Hardener is not classified as an environmental hazard. 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>SET-XP Resin Mixture</td>
<td>Aquatic Acute, Algae, EC50</td>
<td>Algae</td>
</tr>
<tr>
<td></td>
<td>Aquatic Acute, Crustacea, EC50</td>
<td>Daphnia Magna</td>
</tr>
<tr>
<td></td>
<td>Aquatic Acute, Fish, LC50</td>
<td>Fish</td>
</tr>
</tbody>
</table>
### SET-XP® High-Strength Epoxy Adhesive

**SAFETY DATA SHEET**

**Component** | **Estimate**
---|---
SET-XP Hardener Mixture Estimate |  
*Aquatic, Fish, LC50* | 169 mg/l, 96 hours
*Aquatic, Crustacea, EC50* | 12 mg/l, 48 hours
*Aquatic, Algae, EC50* | 21 mg/l, 72 hours

**Persistence and degradability:** This product is not expected to be readily biodegradable.

**Bioaccumulative potential:** No data available for this product.

**Mobility in soil:** This product is non-volatile.

### 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 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

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.

<table>
<thead>
<tr>
<th>Component</th>
<th>Resin (White Side)</th>
<th>Hardener (Green Side)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number:</td>
<td>UN3082</td>
<td>UN2735</td>
</tr>
<tr>
<td>UN proper shipping name:</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrin), 9, III, Marine Pollutant</td>
<td>AMINES, LIQUID, CORROSIVE, N.O.S. (Benzene-1,3-Dimethaneamine), 8, II</td>
</tr>
<tr>
<td>Precautions:</td>
<td>Marine Pollutant</td>
<td>Corrosive</td>
</tr>
<tr>
<td>Required Labels:</td>
<td>9</td>
<td>8</td>
</tr>
<tr>
<td>ERG Code (IATA):</td>
<td>9L</td>
<td>8L</td>
</tr>
<tr>
<td>EmS (IMDG):</td>
<td>F-A, S-F</td>
<td>F-A, S-B</td>
</tr>
<tr>
<td>Special Precautions for Users:</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
<td></td>
</tr>
</tbody>
</table>

Based on packaging size, Limited Quantity exemptions may apply. Please consult the 49 CFR HMR, IATA DGR, and IMDG Code to ensure that shipments comply with these 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):** Not regulated.


**CERCLA Hazardous Substance List (40 CFR 302.4):** Phenol (CAS 108-95-2) 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>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:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Reportable Quant.</th>
<th>Threshold Planning Quant. Lower Value</th>
<th>Threshold Planning Quant. Upper Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol</td>
<td>108-95-2</td>
<td>1000</td>
<td>500 lbs</td>
<td>10000 lbs</td>
</tr>
</tbody>
</table>

### SARA 311/312 Hazardous chemical:

Yes

### SARA 313 (TRI reporting):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>% In Blend (approx.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol</td>
<td>108-95-2</td>
<td>1-5</td>
</tr>
<tr>
<td>Aluminum Oxide</td>
<td>1344-28-1</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

### California Proposition 65:

**WARNING:** This product can expose you to chemicals which are known to the State of California to cause cancer, reproductive harm, or other birth defects. For more information, go to www.P65Warnings.ca.gov.

### Carcinogen / Reproductive Toxin / Mutagen Information

<table>
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<td>A2</td>
<td>CA65 (Carcinogenic)</td>
</tr>
<tr>
<td>Titanium Dioxide (CAS 13463-67-7)</td>
<td>&lt; 5</td>
<td>2B</td>
<td></td>
<td></td>
<td>CA65 (Carcinogenic)</td>
</tr>
<tr>
<td>Carbon Black (CAS 1333-86-4)</td>
<td>&lt; 1</td>
<td>2B</td>
<td></td>
<td></td>
<td>CA65 (Carcinogenic)</td>
</tr>
</tbody>
</table>

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NTP: Known to be a human carcinogen or Reasonably anticipated to be a human carcinogen  
CA65 – California Prop 65

### International

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

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).</td>
</tr>
<tr>
<td>China</td>
<td>One or more components of this product are not 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>
<tr>
<td>Japan</td>
<td>One or more components of 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>One or more components of this product have an unknown status on the New Zealand Inventory. Contact Simpson Strong-Tie Environmental Health and Safety if the status of this product on the inventory is desired.</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;</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>
<tr>
<td>Puerto Rico</td>
<td></td>
</tr>
</tbody>
</table>

### Other Information

| Date Prepared or Revised: | October 2019 |
| Supersedes:               | September 2016 |
| Contact Simpson Strong-Tie Environmental Health and Safety at | EHS@strongtie.com |
SET-XP® High-Strength Epoxy Adhesive
SAFETY DATA SHEET

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
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

H226: Flammable liquid and vapor.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H312: Harmful in contact with skin.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H350: May cause cancer.
H372: Causes damage to organs through prolonged or repeated exposure.
H402: Harmful to aquatic life.
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.

Internal

FOR INTERNAL USE ONLY

SET-XP Resin: SET-XP Hardener:
XCOM3B – 50% Cartridge XCOM3B – 50% Cartridge
XCOM3B – 50% Cartridge XCORR – 50% Cartridge