

# ETI-LV Injection Epoxy

## SAFETY DATA SHEET

### 1. Identification

#### Product Identification

**Product Identifier:** ETI-LV (ETILV22, ETILV56, ETILV)  
**Recommended Use:** 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](http://www.strongtie.com/sds)

### 2. Hazard Identification

#### General Information

ETI-LV 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 (clear side) GHS Classification



|                               |                                      |             |
|-------------------------------|--------------------------------------|-------------|
| <b>Physical Hazards:</b>      | Not Classified.                      |             |
| <b>Health Hazards:</b>        | Skin corrosion/Irritation            | Category 2  |
|                               | Serious Eye Damage/Irritation        | Category 2A |
|                               | Sensitization, Skin                  | Category 1  |
| <b>Environmental Hazards:</b> | 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:**

|                    |  |
|--------------------|--|
| <b>Prevention:</b> | 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.   |
| <b>Response:</b>   | 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 attention. Collect spillage. |
| <b>Storage:</b>    | Store locked up. Store in a well-ventilated place. Store between 45-90°F (7-32°C).   |
| <b>Disposal:</b>   | Dispose of contents/container in accordance with local/regional/national regulations.  |

#### Hardener (amber side) GHS Classification



|                          |                            |             |
|--------------------------|----------------------------|-------------|
| <b>Physical Hazards:</b> | Flammable Liquids          | Category 4  |
| <b>Health Hazards</b>    | Acute Toxicity, Oral       | Category 4  |
|                          | Acute Toxicity, Dermal     | Category 4  |
|                          | Acute Toxicity, Inhalation | Category 4  |
|                          | Skin Corrosion/Irritation  | Category 1C |

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|                               |                                      |            |
|-------------------------------|--------------------------------------|------------|
| <b>Environmental Hazards:</b> | Serious Eye Damage/Irritation        | Category 1 |
|                               | Sensitization, Skin                  | Category 1 |
|                               | Acute Aquatic Environmental Hazard   | Category 3 |
|                               | Chronic Aquatic Environmental Hazard | Category 3 |

**Signal Word:** DANGER!  
**Hazard Statements:** Combustible liquid. Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid release to the environment.

**Response:** In case of fire: Use appropriate media to extinguish. If swallowed: Rinse mouth. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. 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.

### 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 (clear side)

| Chemical Name   | CAS Number | Weight % |
|---|------------|----------|
| Bisphenol A/Epichlorohydrin   | 25068-38-6 | 50-80    |
| 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-polymer with 2-(chloromethyl)oxirane | 30499-70-8 | 10-30    |
| 1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropane                                   | 17557-23-2 | 5-15     |

### Hardener (amber side)

| Chemical Name                                  | CAS Number | Weight % |
|--|------------|----------|
| Benzyl Alcohol                                 | 100-51-6   | 40-80    |
| Triethylenetetramine                           | 112-24-3   | 40-80    |
| Formaldehyde, polymer with 1,3-dimethylbenzene | 26139-75-3 | 5-15     |
| Phenol, 2,4,6-trisdimethylaminomethyl          | 90-72-2    | < 10     |

## 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.**

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|                      |  |
|----------------------|--|
| <b>Skin Contact:</b> | Remove contaminated clothing and product, immediately wash affected area with soap and water. Do not apply greases or ointments. If skin irritation persists <b>consult a physician.</b> |
| <b>Ingestion:</b>    | Rinse mouth immediately. Give large amounts of milk or water, if person is conscious. Only induce vomiting at the instruction of medical personnel. <b>Consult a physician.</b>          |
| <b>Inhalation:</b>   | Remove patient to fresh air. Give oxygen or artificial respiration if needed. If patient continues to experience difficulty breathing, <b>consult a physician.</b>                       |

### 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. Shortness of breath. Prolonged contact causes serious eye and tissue damage. Visual disturbances including blurred vision. May cause serious chemical burns to the skin. May cause burns in mucous membranes, throat, esophagus and stomach.

### 5. Fire-Fighting Measures

|                                      |  |
|--------------------------------------|--|
| <b>Suitable Extinguishing Media:</b> | Extinguish with foam, carbon dioxide, dry powder, or water fog.  |
| <b>Additional Information:</b>       | None known.  |
| <b>Hazards during Fire-Fighting:</b> | 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. Do not allow run-off from fire-fighting to enter drains or water courses.   |
| <b>Fire-Fighting Procedures:</b>     | 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

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

|                      |   |
|----------------------|---|
| <b>Small spills:</b> | 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.  |
| <b>Large spills:</b> | 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 leak-proof containers. 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. Observe good industrial hygiene practices.

#### Storage

Store in a closed container away from incompatible materials. Keep in original container. Keep container tightly closed. Store in a dry place out of direct sunlight. Store between 45-90°F (7-32°C). Keep away from heat and sources of ignition. Store in a well-ventilated place. Store locked up. 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:** 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**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls 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.

**Exposure Limits**

| Component                           | OSHA (PEL) | ACGIH (TLV) | NIOSH Pocket Guide               |
|-------------------------------------|------------|-------------|----------------------------------|
| Benzyl Alcohol (CAS 100-51-6)       | N/E        | N/E         | 44.2 mg/m <sup>3</sup><br>10 ppm |
| Triethylenetetramine (CAS 112-24-3) | N/E        | N/E         | 6 mg/m <sup>3</sup><br>1 ppm     |

**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**

| <u>Property</u>                      | <u>Resin</u>                 | <u>Hardener</u>           |
|--------------------------------------|------------------------------|---------------------------|
| <b>Physical State:</b>               | Liquid                       | Liquid                    |
| <b>Color:</b>                        | Clear                        | Amber                     |
| <b>Odor:</b>                         | Sweet                        | Ammonia                   |
| <b>pH:</b>                           | 5.6                          | 10.9                      |
| <b>Flammability limit – lower %:</b> | No data                      | No data                   |
| <b>Flammability limit – upper %:</b> | No data                      | No data                   |
| <b>Vapor Pressure:</b>               | Non-Volatile                 | No data                   |
| <b>Vapor Density:</b>                | No data                      | No data                   |
| <b>Solubility:</b>                   | Insoluble in water           | Slightly soluble in water |
| <b>Freezing/Melting Point:</b>       | No data                      | No data                   |
| <b>Boiling Point:</b>                | No data                      | No data                   |
| <b>Flash Point:</b>                  | 256 °F (124.4 °C) Closed Cup | 180 °F (85 °C) Closed Cup |
| <b>Evaporation Rate:</b>             | No data                      | No data                   |
| <b>Decomposition Temperature:</b>    | No data                      | No data                   |
| <b>Specific Gravity:</b>             | 1.21 at 72°F (22°C)          | 1.01 at 72°F (22°C)       |
| <b>VOC (after cure):</b>             | 6 g/L                        | 6 g/L                     |
| <b>Kow:</b>                          | No data                      | No data                   |
| <b>Viscosity:</b>                    | 2000 cP                      | 2000 cP                   |

**10. Stability and Reactivity**

**Resin (clear side)**

**Reactivity:** This product is stable and non-reactive under normal conditions.  
**Chemical Stability:** Stable under normal storage conditions.

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**Condition to Avoid:** High heat and open flame.  
**Substances to Avoid:** Oxidizing agents, acids, organic bases, and amines.  
**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.  
**Substances to Avoid:** Strong oxidizing agents. Strong 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:** Harmful if swallowed. Causes digestive tract burns.  
**Inhalation:** Harmful if inhaled. Causes respiratory tract burns. If this material is heated or misted, coughing and mild, temporary irritation may occur.  
**Skin contact:** Harmful in contact with skin. Causes severe skin burns. Causes skin irritation. May cause an allergic skin reaction.  
**Eye contact:** Causes serious eye irritation. Causes serious eye burns.

### Information on Toxicological Effects

**Acute toxicity:** Occupational exposure to the substance or mixture may cause adverse effects.

| Product                       | Species                         | Test Result                           |
|-------------------------------|---------------------------------|---------------------------------------|
| Benzyl alcohol (CAS 100-51-6) | <b>Acute, Dermal</b> , LC50     | Rabbit 2000 mg/kg                     |
|                               | <b>Acute, Oral</b> , LD50       | Rat 1230-3100 mg/kg                   |
|                               | <b>Acute, Inhalation</b> , LD50 | Rat >4173 mg/m <sup>3</sup> , 4 hours |

**Skin corrosion/irritation:** Causes skin irritation. Causes severe skin burns.  
**Eye damage/eye irritation:** Causes serious eye irritation. Causes serious eye damage.  
**Respiratory sensitization:** May cause an allergic respiratory reaction becoming evident upon re-exposure to this material, and may cause breathing difficulties.  
**Skin sensitization:** May cause an allergic skin reaction.  
**Germ cell mutagenicity:** The product contains a substance which has demonstrated animal effects of mutagenicity.  
**Carcinogenicity:** Contains traces of carbon black. Inhalation of carbon black dust may cause cancer, however due to the physical form of the product; inhalation of dust is not likely. Take care when cutting or grinding cured product.  
**Reproductive toxicity:** No data available.  
**Aspiration hazard:** No data available.  
**Specific target organ toxicity:**  
**Single exposure** No data available.  
**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**

| Component  | Species         | Test Result        |
|--|-----------------|--------------------|
| BisphenolA/Epichlorohydrin (25068-38-6)<br>Fish, LC50      | Salmo Gairdneri | 1.5 mg/l, 96 hours |
|  | Daphnia Magna   | 2.7 mg/l, 48 hours |
| <b>Aquatic, Crustacea, EC50</b>                            |                 |                    |
| Benzyl alcohol (CAS 100-51-6)<br>Aquatic Acute, Fish, LC50 | Bluegill        | 10 mg/l, 96 hours  |

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

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

**Partition coefficient n-octanol / water (log Kow)**

Benzyl alcohol (CAS 100-51-6) 1.1

**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/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 surface. Solid material does not need special disposal considerations.

**14. Transportation Information**

**Resin (white 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 (black side)**

**UN number:** UN2735  
**UN proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Phenol, 2,4,6-trisdimethylaminomethyl), 8, III  
**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.

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TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.  
 US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.  
 CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

| Hazard Categories: | Immediate | Delayed | Fire | Pressure | Reactivity |
|--------------------|-----------|---------|------|----------|------------|
| Resin              | Yes       | No      | No   | No       | No         |
| Hardener           | Yes       | Yes     | Yes  | No       | No         |

SARA 302 Extremely hazardous substance No  
 SARA 311/312 Hazardous chemical Yes  
 SARA 313 (TRI reporting) Not regulated.

**US State Right-To-Know Lists**

| Chemical                            | Massachusetts RTK | New Jersey Work and Community RTK Act | Pennsylvania Worker and Community RTK Law | Rhode Island RTK |
|-------------------------------------|-------------------|---------------------------------------|---|------------------|
| Benzyl Alcohol (CAS 100-51-6)       | Listed            |                                       | Listed                                    |                  |
| Triethylenetetramine (CAS 112-24-3) | Listed            |                                       | Listed                                    |                  |




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

| Component                | Regulation | % In Blend (approx.) | Remark       |
|--------------------------|------------|----------------------|--------------|
| Carbon Black (1333-86-4) | ACGIH      | trace                | Carcinogenic |

**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**

|   |   |  |
|---|---|--|
|  |  |  |
| <b>Class E:</b> Corrosive   | <b>Class B-3:</b> Combustible Liquid  | <b>Class D-2A:</b> Material Causing other toxic effects                              |

**International**

**International Inventories**

| Country or Region           | Inventory  | On Inventory? (Yes/No) |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                   | Yes                    |
| Canada                      | Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL) | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                        | Yes                    |

**16. Other Information**

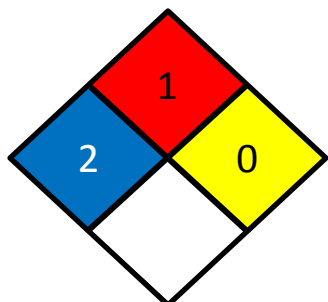
Date Prepared or Revised: September 2014  
 Supersedes: October 2013

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### Additional Resin (clear side) Classifications

#### NFPA Ratings

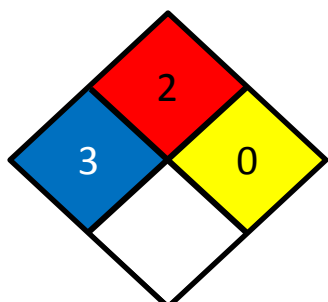


#### HMIS Rating

|                     |   |
|---------------------|---|
| HEALTH HAZARD       | 2 |
| FLAMMABILITY HAZARD | 1 |
| PHYSICAL HAZARD     | 0 |
| PERSONAL PROTECTION | B |

### Additional Hardener (black side) Classifications

#### NFPA Ratings



#### HMIS Rating

|                     |   |
|---------------------|---|
| HEALTH HAZARD       | 3 |
| FLAMMABILITY HAZARD | 2 |
| PHYSICAL HAZARD     | 0 |
| PERSONAL PROTECTION | B |

### Abbreviations

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

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**U.S.:** United States  
**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.

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**Internal**

**FOR INTERNAL USE ONLY**

ETI-LV Resin: XCOM3B – 50% Cartridge

ETI-LV Hardener: XCOM3A – 50% Cartridge  
XCORR – 50% Cartridge