ETI-GV Gel-Viscosity Epoxy
SAFETY DATA SHEET

1. Identification

Product Identification

Product Identifier: ETI-GV
Recommended Use: ETI-GV is a gel viscosity injection epoxy.
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

ETI-GV Gel-Viscosity Epoxy is a high-solids product for the maintenance and repair of cracked concrete. It is formulated to repair medium cracks of 3/32" to ¼" in width. ETI-GV is a two-component (1:1) product to be dispensed through a static mixing nozzle. The two parts of this product have been assessed individually 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 in color and can be considered nonhazardous. This Safety Data Sheet covers the hazards and responses for this product.

Resin (White Side) GHS Classification

Classification according to HazCom2012 (GHS)

| Physical Hazards:         | Not Classified. |
| Health Hazards:          |                |
| Skin Corrosion/Irritation| Category 2     |
| Serious Eye Damage/Irritation| Category 2 |
| Sensitization, Skin      | Category 1     |
| Germ Cell Mutagenicity   | Category 2     |
| Carcinogenicity          | Category 2     |
| Environmental Hazards:   | Chronic Aquatic Hazard Category 2 |

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 45-95°F (7-35°C).

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

Supplemental Label Information: None known.

Classification according to HazCom2012 (GHS)

Physical Hazards: Flammable Liquids Category 4 H227: Combustible liquid
Health Hazards: Acute Toxicity, Oral Category 4 H302: Harmful if swallowed
Acute Toxicity, Dermal Category 4 H312: Harmful in contact with skin
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
Reproductive Toxicity Category 2 H361: Suspected of damaging fertility

Environmental Hazards: Acute Aquatic Environmental Hazard Category 1 H400: Very toxic to aquatic life
Chronic Aquatic Environmental Hazard Category 1 H410: Very toxic 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. May cause severe irritation or burns to the gastrointestinal tract and respiratory system. Long term exposure may cause chronic effects.

GHS Label Elements

Contains: Amines, Phenols, Benzyl Alcohol

Signal Word: DANGER!

Hazard Statements:
H227: Combustible liquid.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H361: Suspected of damaging fertility or the unborn child.
H400: Very toxic to aquatic life.
ETI-GV Gel-Viscosity Epoxy
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H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:
Prevention:
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
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 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:
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310: Immediately call a POISON CENTER/doctor.
P303+P361+P338: 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.
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+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P411: Store between 45-95°F (7-35°C).

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

Supplemental Label Information: None known.

Hazard Not Otherwise Classified (HNOC)

ETI-GV Hardener contains a component that is harmful when inhaled as a mist. Due to the nature of this product, this route of exposure is highly unlikely. The above hazards are for the uncured components of ETI-GV. 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: Acute Toxicity, Inhalation Category 4
OSHA Hazard: Combustible Dust

Chronic Hazard Statement: Harmful if inhaled.
Exclamation Point Suspected of causing cancer.

Precautionary Statement: Do not breathe dust or mist.
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.
## 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 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.

### Unsuitable Extinguishing Media:
None known.

### Fire and Explosion Hazard:
None known.

### Hazards during Fire-Fighting:
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.

### 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
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combinations of water with other materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Combustion Products:

5. Exposure Limits

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA (PEL)</th>
<th>US. ACGIH (TLV)</th>
<th>NIOSH Pocket Guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butyl Glycidyl Ether</td>
<td>270 mg/m³</td>
<td>3 ppm</td>
<td>30 mg/m³ (ceiling)</td>
</tr>
<tr>
<td>(CAS 2426-08-6)</td>
<td>50 ppm</td>
<td></td>
<td>5.6 ppm (ceiling)</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>5 mg/m³</td>
<td>10 mg/m³</td>
<td>N/E</td>
</tr>
<tr>
<td>(CAS 13463-67-7)</td>
<td>(respirable)</td>
<td>(total dust)</td>
<td></td>
</tr>
</tbody>
</table>

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Personal Protective Equipment

Protective Measure: Wear appropriate personal protective equipment.
Eye Protection: Wear chemical splash goggles or safety glasses with side shield. The use of a face shield is recommended if splashing/splattering may occur.
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: The use of a respirator is not required during normal use of this product. If grinding or cutting cured product the use of an approved respirator is recommended.
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

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.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Component A</th>
<th>Component B</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>Black</td>
</tr>
<tr>
<td>Odor:</td>
<td>Sweet</td>
<td>Ammonia</td>
</tr>
<tr>
<td>pH:</td>
<td>6.9</td>
<td>10.7</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>175 °F (79.4 °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>1.02 at 72°F (22°C)</td>
</tr>
<tr>
<td>VOC (after cure):</td>
<td>4 g/L</td>
<td>4 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.
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. Corrosive material; can causes severe irritation or burns to the respiratory tract and gastrointestinal tract.

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

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Inhalation: Harmful if inhaled as mist.
Skin contact: Harmful in contact with skin. Causes severe skin burns. May cause sensitization by skin contact.
Eye contact: Causes serious eye damage.
Symptoms: Burns, redness, itching, tearing, swelling, and blurred vision. Rash/dermatitis. May cause shortness of breath, discomfort in chest, or coughing. May cause severe irritation or burns to the gastrointestinal tract and respiratory system.

Information on Toxicological Effects

Acute Effects
Toxicity: Harmful if swallowed. Harmful in contact with skin. Harmful only if inhaled as dust or mist.

<table>
<thead>
<tr>
<th>Component</th>
<th>Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETI-GV Resin Toxicity Estimate</td>
<td></td>
</tr>
<tr>
<td>Acute, Oral, LD50</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Acute, Dermal, LD50</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>ETI-GV Hardener Toxicity Estimate</td>
<td></td>
</tr>
<tr>
<td>Acute, Oral, LD50</td>
<td>1300 mg/kg</td>
</tr>
<tr>
<td>Acute, Dermal, LD50</td>
<td>1900 mg/kg</td>
</tr>
<tr>
<td>Acute, Inhalation, LC50</td>
<td>4 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes severe skin irritation or burns.
Eye damage/eye irritation: Causes serious eye irritation or damage.
Respiratory sensitization: No data available.
Skin sensitization: May cause an allergic skin reaction.
Aspiration hazard: No data available.

Specific target organ toxicity
Single exposure: No data available.

Chronic Effects
Germ cell mutagenicity: ETI-GV Resin contains a component that is suspected of causing genetic defects.
Carcinogenicity: This product contains a component that is suspected of causing cancer. This 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: ETI-GV Hardener contains a component suspected of damaging fertility or the unborn child.
Specific target organ toxicity
Repeated exposure: No data available.

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>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>Nonyl Phenol (CAS 84852-15-3)</td>
<td>1-10</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>limited evidence of reproductive toxicity (NOAEL &gt;2000 ppm)</td>
</tr>
</tbody>
</table>

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

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Information given is based on data on the components and the ecotoxicology of similar products. ETI-GV Resin is classified as toxic to aquatic life with long lasting effects. ETI-GV Hardener 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>ETI-GV Resin Mixture</td>
<td>Aquatic Acute, Algae, EC50</td>
<td>Algae &gt;1000 mg/l, 72 hours</td>
</tr>
<tr>
<td></td>
<td>Aquatic Acute, Crustacea, EC50</td>
<td>Daphnia magna 324.87 mg/l, 48 hours</td>
</tr>
<tr>
<td></td>
<td>Aquatic Acute, Fish, LC50</td>
<td>Fish 707.11 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETI-GV Hardener Estimate</td>
<td></td>
</tr>
<tr>
<td>Aquatic, Fish, LC50</td>
<td>1-10 mg/l, 96 hours</td>
</tr>
<tr>
<td>Aquatic, Crustacea, EC50</td>
<td>10-20 mg/l, 48 hours</td>
</tr>
<tr>
<td>Aquatic, Algae, EC50</td>
<td>700 mg/l, 72 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability: This product is not expected to be readily biodegradable.
Bioaccumulative potential: No data available for this product.
Mobility in soil: 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>Resin (White Side)</th>
<th>Hardener (Black Side)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number:</td>
<td>UN3082</td>
</tr>
<tr>
<td>UN proper shipping name:</td>
<td>ENVIRONMENTALLY HAZARDOUS</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrin), 9, III, Marine Pollutant</td>
</tr>
<tr>
<td>Precautions:</td>
<td>Marine Pollutant</td>
</tr>
<tr>
<td>Required Labels:</td>
<td>9</td>
</tr>
<tr>
<td>ERG Code (IATA):</td>
<td>9L</td>
</tr>
<tr>
<td>EmS (IMDG):</td>
<td>F-A, S-F</td>
</tr>
<tr>
<td>Special Precautions for Users:</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</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):
Nonyl Phenol (CAS 84852-15-3) LISTED

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CERCLA Hazardous Substance List (40 CFR 302.4):

1-Butanol (CAS 71-36-3) LISTED

SARA 302 Extremely hazardous substance: No
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>1-Butanol</td>
<td>71-36-3</td>
<td>&lt; 0.1</td>
</tr>
<tr>
<td>Nonyl Phenol</td>
<td>84852-15-3</td>
<td>1-10</td>
</tr>
</tbody>
</table>

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>Yes</td>
<td>No</td>
<td>No</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>
<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>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>

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

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 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>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>All components of this product are 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>One or more components of this product are not 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>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: November 2019
Supersedes: September 2016
Contact Simpson Strong-Tie Environmental Health and Safety at EHS@strongtie.com

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.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
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.

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