1. Identification

Product Identification

Product Identifier: GFC34 and GFC34-RC2
Recommended Use: GFC34/GFC34-RC2 is a Gas Concrete Nailer Fuel Cell for use to fuel the GCN-MEPMAG and GCNMEP concrete-nailer tools, as well as other major brands.
Use Restrictions: Do not tamper with fuel cell.

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

GFC34/GFC34-RC2 Gas Concrete Nailer Fuel Cell is a gas-based, fuel cell for use with the GCN-MEPMAG and GCNMEP concrete nailer tools. Each fuel cell can power 1200 shots and has an operating temperature range of 20-120°F (-6 - 49°C). The product has been assessed according to the Globally Harmonized System (GHS). This Safety Data Sheet covers hazards and responses for the safe use and handling of GFC34/GFC34-RC2.

GHS Classification

Classification according to HazCom2012 (GHS)

Physical Hazards: Flammable Gases Category 1 H220: Extremely flammable gas
Gases Under Pressure Liquefied Gas H280: Contains gas under pressure; may explode if heated

Health Hazards: Not Classified.
Environmental Hazards: Not Classified.

Main Symptoms: Direct contact with contents can cause cold burns (frostbite) on skin. Symptoms include burns, red/white/blue/gray-yellow skin, blisters, and numbness. High concentrations released into the air may cause dizziness, difficulty breathing, or have an anesthetic effect.

GHS Label Elements

Contains: Propane, Isobutane, Propylene, n-Butane
Signal Word: DANGER!

Hazard Statements:

H220: Extremely flammable gas.
H280: Contains gas under pressure; may explode if heated.

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.
P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P235: Keep cool.
P251: Do not pierce or burn, even after use.
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P282: Wear cold insulating gloves and either face shield or eye protection.
Response:
- P302+P336: IF ON SKIN: Thaw frosted parts with lukewarm water. Do not rub affected area.
- P315: Get immediate medical advice/attention.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P363: Wash contaminated clothing before reuse.
- P377: Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
- P381: In case of leakage, eliminate all ignition sources.

Storage:
- P403+P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.
- P410: Protect from sunlight.

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

Supplemental Label Information: None known.

Hazards Not Otherwise Classified (HNOC)
GFC34/GFC34-RC2 is a simple asphyxiant. The product may displace oxygen content in the air, causing asphyxiation if released in a confined area. High concentrations may cause dizziness, difficulty breathing, or have an anesthetic effect. Direct contact with contents may cause cold burns (frostbite). Ensure that good work practices, and the necessary precautionary measures, are taken to maintain safe use of the product.

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: Globally 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>Propane</td>
<td>0-99</td>
<td>74-98-6</td>
<td>200-827-9</td>
</tr>
<tr>
<td>Isobutane</td>
<td>1-60</td>
<td>75-28-5</td>
<td>200-857-2</td>
</tr>
<tr>
<td>Propylene</td>
<td>0-60</td>
<td>115-07-1</td>
<td>204-062-1</td>
</tr>
<tr>
<td>n-Butane</td>
<td>1-43</td>
<td>106-97-8</td>
<td>203-448-7</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 lukewarm water for at least 15 minutes while holding the eyes open. Remove contact lenses if present and easy to do. If you experience redness, burning, blurred vision, or swelling, consult a physician.
- Skin Contact: Treat burned or frostbitten skin by washing or immersing the affected area in lukewarm water. If rash or irritation occurs consult a physician.
- Ingestion: This material is a gas under normal atmospheric conditions. Ingestion is unlikely. If ingestion occurs, rinse mouth immediately. Do not induce vomiting. 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
Direct contact with contents can cause cold burns. Symptoms include burns, red/white/blue/gray-yellow skin, blisters, and numbness. Inhalation when high concentrations are release into air may cause dizziness, difficulty breathing, or have an anesthetic effect.
5. **Fire-Fighting Measures**

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Information:</td>
<td>The use of carbon dioxide can displace oxygen. Use with caution when applying in a confined space.</td>
</tr>
<tr>
<td>Hazards during Fire-Fighting:</td>
<td>This product is extremely flammable and can be ignited by heat, spark, flames, or other sources of ignition (e.g., static electricity, pilot lights, or mechanical/electrical equipment, and electronic devices such as cell phones, computers, and calculators which have not been certified as intrinsically safe). Vapors can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Possible creation of vapor/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. If the container is not properly cooled, it can rupture in the heat of a fire. Closed containers exposed to extreme heat can rupture due to pressure buildup. During a fire, gases hazardous to health may be formed.</td>
</tr>
<tr>
<td>Fire-Fighting Procedures:</td>
<td>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. Isolate fuel supply from fire. 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. Water spray may be useful in minimizing or dispersing vapors, and to protect personnel. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.</td>
</tr>
</tbody>
</table>

6. **Accidental Release Measures**

**Personal Precautions**

- **Non-emergency personnel:** 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.

- **Emergency personnel:** Keep unnecessary personnel away. Wear appropriate personal protective equipment.

**Clean-Up Methods**

- **Small spills:**
  - Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion-proof electrical equipment is recommended. Stop spill/release if it can be done with minimal risk. 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:**
  - Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion-proof electrical equipment is recommended. Stay upwind and away from spill/release. Isolate danger area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal 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. Water spray may be useful in minimizing or dispersing vapors.

**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**

In addition to limitations on storage temperature, fuel cells should be handled and stored so as to avoid puncture. Even when the fuel cell is empty, the can still contains flammable gas. Do not puncture fuel cell or expose fuel cell to high temperature. Do not attempt to refill the fuel cell. The use of explosion-proof electrical equipment is recommended and may be required. Keep away from open flames, hot surfaces, and sources of ignition. When using, do not eat, drink, or smoke. Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Observe good industrial hygiene practices.

**Storage**

Store locked up. Pressurized container: must not be exposed to temperatures above 50°C (120°F). Ground all equipment containing material. Store in a cool, dry place out of direct sunlight. Keep away from heat and sources of ignition. Store in a well-ventilated place. Store in a closed container away from incompatible materials (See Section 10 of the SDS). 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 goggles, safety glasses with side shields, or a full-face shield.

**Hand Protection:** Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl. Cold insulating gloves recommended if direct contact with contents may occur.

**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 in properly ventilated areas. An NIOSH-approved respirator should be worn whenever 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**

Mechanical ventilation or local exhaust ventilation is recommended. Good general ventilation 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 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>Propane (CAS 74-98-6)</td>
<td>1000 ppm</td>
<td>2500 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Isobutane (CAS 75-28-5)</td>
<td>N/E</td>
<td>N/E</td>
<td>800 ppm</td>
</tr>
<tr>
<td>Propylene (CAS 115-07-1)</td>
<td>N/E</td>
<td>500 ppm</td>
<td>N/E</td>
</tr>
<tr>
<td>n-Butane (CAS 108-97-8)</td>
<td>N/E</td>
<td>1000 ppm</td>
<td>800 ppm</td>
</tr>
</tbody>
</table>

9. Physical and Chemical Properties

**Physical State:** Gas

**Freezing/Melting Point:** -300.1°F (-184.5°C)

**Form:** Compressed Gas

**Boiling Point:** -43.6 - 32°F (-42 - 0°C)

**Color:** Colorless

**Flash Point:** 184°F (84.4°C) Open Cup

**Odor:** Odorless

**Evaporation Rate:** N/E

**Odor Threshold:** N/E

**Specific Gravity:** 0.54 kgs/Lt in liquid

**pH:** N/A

**VOC:** N/A

**U. Flammability:** 8.4/11%

**L. Flammability:** 1.9/2%

**Vapor Pressure:** 6.9bar at 21.2°C/17.8bar at 50°C

**Vapor Density:** Approx. 1.5 (Air = 1)

**Solubility:** Negligible

**Kow:** N/A

**Decomposition:** N/A

**Viscosity:** N/A

10. Stability and Reactivity

**Reactivity:** Stable under normal, ambient conditions of use and storage. Flammable gas.

**Chemical Stability:** Stable under normal, ambient conditions of use and storage. Flammable gas.

**Condition to Avoid:** Avoid all possible sources of ignition.

**Substances to Avoid:** Strong oxidizers (i.e. Nitrogen dioxide, Nitrogen tetraoxide, Lithium nitrate, Sodium dioxide, Trifluoromethyl hypofluorite, etc.).

**Hazardous Reactions:** Hazardous polymerization does not occur.

**Decomposition Products:** Carbon dioxide, carbon monoxide, oxides of nitrogen, other organic compounds.

11. Toxicological Information

**Likely Routes of Exposure**

**Ingestion:** Ingestion is unlikely.

**Inhalation:** Inhalation may have an anesthetic effect (simple asphyxiant).

**Skin contact:** Contact with contents can cause cold burns (frostbite).

**Eye contact:** Direct eye contact can cause serious irritation.
Symptoms: In direct contact of contents with skin, symptoms include burns, red/white/blue/gray-yellow skin, blisters, and numbness. High concentrations released into the air can cause dizziness, difficulty breathing, or cause an anesthetic effect.

Information on Toxicological Effects

Acute Effects
Toxicity: Not expected to be acutely toxic. Occupational exposure to the substance or mixture may cause adverse effects.

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane (CAS 74-98-6)</td>
<td>Acute, Inhalation, LC50</td>
<td>Rat &gt;1442 mg/l, 15 min.</td>
</tr>
<tr>
<td>Isobutane (CAS 75-28-5)</td>
<td>Acute, Inhalation, LC50</td>
<td>Rat 1355 mg/l, 15 min.</td>
</tr>
<tr>
<td>Propylene (CAS 115-07-1)</td>
<td>Acute, Inhalation, LC50</td>
<td>Rat 658 mg/l, 4 hours</td>
</tr>
<tr>
<td>Butane (CAS 106-97-8)</td>
<td>Acute, Inhalation, LC50</td>
<td>Rat 658 mg/l, 4 hours</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Direct contact with skin can result in cold burns, with potential for tissue damage.
Eye damage/eye irritation: Direct contact with eyes can result in serious eye irritation.
Respiratory sensitization: No data available.
Skin sensitization: No data available.
Aspiration hazard: No data available.
Specific target organ toxicity
   Single exposure: No data available.

Chronic Effects
Germ cell mutagenicity: No data available.
Carcinogenicity: This product and its components are not considered to be carcinogens by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity: No data available.
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>Propylene (CAS 115-07-1)</td>
<td>0-60</td>
<td>3</td>
<td>---</td>
<td>---</td>
<td>---</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 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.

12. Ecological Information
General Information

Information given is based on data on the components and the ecotoxicology of similar products. This material is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Supporting Data

Persistence and degradability: Not readily biodegradable.
Bioaccumulative potential: Not expected to bioaccumulate.
Mobility in soil: No data available.
13. Disposal Considerations

Waste Disposal of Substance: Do not allow 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: Do not crush, puncture, or incinerate spent containers. Large numbers of aerosol containers may require handling as a hazardous waste. 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.

14. Transportation Information

DOT: Consumer Commodity, ORM-D, Limited Quantity

UN number: UN1950

UN proper shipping name: Aerosols, Flammable, 2.1

Transportation Class: 2.1

Environment Hazard: No

Required Labels: 2.1

EmS (IMDG): F-D, S-U

15. Regulatory Information

United States

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


Superfund Amendments and Reauthorization Act of 1986 (SARA)

<table>
<thead>
<tr>
<th>Hazard Categories</th>
<th>Immediate</th>
<th>Delayed</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene</td>
<td>115-07-1</td>
<td>0-60</td>
</tr>
</tbody>
</table>

Other Federal Regulations

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Propane (CAS 74-98-6) LISTED

Isobutane (CAS 75-28-5) LISTED

Propylene (CAS 115-07-1) LISTED

n-Butane (CAS 106-97-8) LISTED
Gas Concrete Nailer Fuel Cell
SAFETY DATA SHEET

This product does not contain known levels of any chemicals known to the State of California to cause cancer or reproductive harm as per California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986).

US State Right-To-Know List

<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>Propane (74-98-6)</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>Isobutane (75-28-5)</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>Propylene (CAS 115-07-1)</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>n-Butane (CAS 106-97-8)</td>
<td>Listed</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. 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.

<table>
<thead>
<tr>
<th>REACH Registered Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical</td>
</tr>
<tr>
<td>Propane</td>
</tr>
<tr>
<td>Isobutane</td>
</tr>
<tr>
<td>Propylene</td>
</tr>
<tr>
<td>n-Butane</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>Australia</th>
<th>All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).</th>
</tr>
</thead>
<tbody>
<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>All components in this product are 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

<table>
<thead>
<tr>
<th>Date Prepared or Revised:</th>
<th>July 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supersedes:</td>
<td>June 2014</td>
</tr>
</tbody>
</table>

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

**NFPA Ratings**

**HMIS Rating**

<table>
<thead>
<tr>
<th>Category</th>
<th>Health</th>
<th>Physical</th>
<th>PPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYSICAL</td>
<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>4</td>
<td>PPE</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
- **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**

- **H220**: Extremely flammable gas.
- **H280**: Contains gas under pressure; may explode if heated.

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**

XCGAS