1. Identification

**Product Identification**

<table>
<thead>
<tr>
<th>Product Identifier:</th>
<th>Cleaner (GCN-CL04)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended Use:</td>
<td>GCN-CL04 is a tool cleaner for use with the Simpson Strong-Tie® Gas Concrete Nailer.</td>
</tr>
<tr>
<td>Use Restrictions:</td>
<td>None known.</td>
</tr>
</tbody>
</table>

**Company Identification**

<table>
<thead>
<tr>
<th>Company:</th>
<th>Simpson Strong-Tie Company Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>5956 W. Las Positas Blvd.</td>
</tr>
<tr>
<td></td>
<td>Pleasanton, CA 94588</td>
</tr>
<tr>
<td>Phone:</td>
<td>1-800-999-5099</td>
</tr>
<tr>
<td>Website:</td>
<td><a href="http://www.strongtie.com">www.strongtie.com</a></td>
</tr>
<tr>
<td>Emergency:</td>
<td>1-800-535-5053 (US/Canada)</td>
</tr>
<tr>
<td></td>
<td>1-352-323-3500 (International)</td>
</tr>
</tbody>
</table>

For most current SDS, please visit our website at [www.strongtie.com/sds](http://www.strongtie.com/sds)

2. Hazard Identification

**General Information**

GCN-CL04 is a tool cleaner for use for the cleaning and maintenance of the Simpson Strong-Tie® Gas Concrete Nailer. It 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 GCN-CL04.

**GHS Classification**

<table>
<thead>
<tr>
<th>Classification according to HazCom2012 (GHS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Hazards:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Health Hazards:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Environmental Hazards:</td>
</tr>
</tbody>
</table>

**Main Symptoms:** Symptoms include difficulty breathing, chest discomfort, respiratory irritation, or coughing.

**GHS Label Elements**

Contains: Distillates (petroleum), heavy aliphatic; 2-Butoxyethanol

Signal Word: WARNING!

Hazard Statements:

| H227: | Combustible liquid. |
| H305: | May be harmful if swallowed and enters airways. |

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. |
| P233: | Keep container tightly closed. |
| P260: | Do not breathe dust, fumes, or vapors. |
| P264: | Wash hands thoroughly after handling. |
| P270: | Do not eat, drink, or smoke when using this product. |
| P271: | Use only outdoors or in a well-ventilated area. |
| P280: | Wear protective gloves/protective clothing/eye protection/face protection. |

**Response:**

| P301+P330+P331: | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P315: | Get immediate medical advice/attention. |
| P302+P352: | IF ON SKIN: Wash with plenty of water. |
| P333+P313: | If skin irritation or rash occurs: Get medical advice/attention. |
| P304+P340: | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P312: | Call a poison center/doctor if you feel unwell. |
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.

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

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

Supplemental Label Information: None known.

Hazard 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.

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>Distillates (petroleum), heavy aliphatic</td>
<td>&gt; 80</td>
<td>64742-96-7</td>
<td>649-006-00-5</td>
</tr>
<tr>
<td>Classifications: Asp. Tox. 1: H304</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>&lt; 5</td>
<td>111-76-2</td>
<td>603-014-00-0</td>
</tr>
<tr>
<td>Classifications: Acute Tox. 4: H302+H312+H332, Skin Irrit. 2: H315, Eye Irrit. 2: H319</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: 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 you experience redness, burning, blurred vision, or swelling, consult a physician.

Skin Contact: Remove contaminated clothing and product, immediately wash affected area with soap and water. Do not apply greases or ointments. If rash or irritation occurs consult a physician.

Ingestion: 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
Aspiration toxicant. Symptoms include difficulty breathing, chest discomfort, respiratory irritation, or coughing. Get medical attention if swallowed.

5. Fire-Fighting Measures


Additional Information: None known.

Hazards during Fire-Fighting:
During a fire, gases hazardous to health may be formed. Toxic and flammable vapors may be produced under combustion. Vapors are heavier than air and may travel to ignition sources and flash back.

Fire-Fighting Procedures:
Use standard fire-fighting procedures and consider the hazards of other involved materials. In case of fire and/or explosion do not breathe fumes. Self-contained breathing apparatus and full protective clothing must be worn. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until well after fire is out. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
6. Accidental Release Measures

Personal Precautions

Non-emergency personnel: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of mist or vapor. Ensure adequate ventilation. If the concentration of mist/vapor exceeds the permissible exposure limit wear a respirator. 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: 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: Stop the flow of material, if this is without risk. Dike far ahead of spill to contain material. Use a non-combustible material like vermiculite, sand or earth to soak up the product. Place in leak-proof containers. Seal tightly for proper disposal. Following product recovery, flush area with water.

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. Do not breathe mist/vapor. Wear a respirator if mist/vapor concentrations exceed permissible exposure limits. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Storage

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

8. Exposure Controls / Personal Protection

Personal Protective Equipment

Protective Measure: Wear appropriate personal protective equipment.
Eye Protection: Wear chemical splash goggles or safety glasses with side shield.
Hand Protection: Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.
Skin and Body Protection: Wear long sleeve shirt/long pants and other clothing as required to minimize contact. If contact occurs, wash with plenty of water.
Respirator Protection: Not required when used in well-ventilated areas. Use a NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of mist/vapor are expected to exceed exposure limits. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

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>2-Butoxyethanol*</td>
<td>25 ppm (TWA)</td>
<td>20 ppm (TWA)</td>
<td>5 ppm</td>
</tr>
<tr>
<td>(CAS 111-76-2)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

9. Physical and Chemical Properties

Physical State: Liquid
Freezing/Melting Point: -105°F (-76°C)
Tool Cleaner
SAFETY DATA SHEET

Form: Thin Fluid
Color: Milky
Odor: Low Odor
pH: 7.2
U Flammability: N/E
Vapor Pressure: < 1 mmHg at 77°F (25°C)
Solubility: Soluble (100%)
Decomposition: N/E

Boiling Point: Approx. 188-288°F (370-550°C)
Flash Point: 178°F (81°C)
Evaporation Rate: Slow
Specific Gravity: 0.834 at 60°F (15.4°C)
VOC: N/E
L Flammability: 0.6%
Vapor Density: > 6 (Air = 1)
Kow: N/E
Viscosity: N/E

10. Stability and Reactivity
Reactivity: Stable and non-reactive under normal conditions of use and storage.
Chemical Stability: Stable and non-reactive under normal conditions of use and storage.
Condition to Avoid: High heat and open flame.
Hazardous Reactions: Hazardous polymerization will not occur.
Decomposition Products: Carbon dioxide, carbon monoxide, oxides of nitrogen, other organic compounds.

11. Toxicological Information

Likely Routes of Exposure
Ingestion: Expected to be a low ingestion hazard. Aspiration hazard – do NOT induce vomiting if product is swallowed. Get medical attention.
Inhalation: Vapors not expected to cause adverse effects.
Skin contact: Not expected to cause skin irritation or sensitization by skin contact.
Eye contact: Direct eye contact may cause eye irritation.
Symptoms: If swallowed and enters airways, symptoms include difficulty breathing, chest discomfort, respiratory irritation, or coughing.

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>GCN-CL04 Toxicity Estimate</th>
<th>Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td><strong>Acute, Oral, LD50</strong></td>
<td>3190</td>
</tr>
<tr>
<td></td>
<td><strong>Acute, Dermal, LD50</strong></td>
<td>2195</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td><strong>Acute, Oral, LD50</strong></td>
<td>470 mg/kg</td>
</tr>
<tr>
<td></td>
<td><strong>Acute, Dermal, LD50</strong></td>
<td>220 mg/kg</td>
</tr>
<tr>
<td>Distillates (petroleum), heavy aliphatic (CAS 64742-96-7)</td>
<td><strong>Acute, Oral, LD50</strong></td>
<td>&gt;5000 mg/kg</td>
</tr>
<tr>
<td></td>
<td><strong>Acute, Dermal, LD50</strong></td>
<td>&gt;5000 mg/kg</td>
</tr>
<tr>
<td></td>
<td><strong>Acute, Inhalation, LC50</strong></td>
<td>&gt;5.28 mg/l, 4 hours</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: No data available.
Eye damage/eye irritation: Direct eye contact may cause eye irritation.
Respiratory sensitization: No data available.
Skin sensitization: No data available.
Aspiration hazard: May be harmful if swallowed and enters airways.
Specific target organ toxicity
Single exposure: No data available.

Chronic Effects
Germ cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
Specific target organ toxicity: 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>2-Butoxyethanol (CAS 111-76-2)</td>
<td>&lt; 5</td>
<td>3</td>
<td>---</td>
<td>---</td>
<td>---</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
CA65 – California Prop 65

### Further Information

Toxicological, ecotoxicological, physical, and chemical properties may not have been fully investigated. Hazard data above is estimated based on best available information. Some workers with certain pre-existing medical conditions such as: asthma, allergies, or impaired pulmonary and/or liver functions, or who may be particularly susceptible to this material, may be affected by exposure to this material.

### 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

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>Acute, Fish, LC50</td>
<td>Rainbow Trout 1474 mg/l, 96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute, Crustacea, EC50</td>
<td>Daphnia magna 1550 mg/l, 48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute, Algae, EC50</td>
<td>Algae 1840 mg/l, 72 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability: Biodegradable.
Bioaccumulative potential: Not expected to bioaccumulate.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Log Kow</th>
<th>BCF</th>
<th>Bioaccumulation Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>0.81</td>
<td>3.16</td>
<td>---</td>
</tr>
</tbody>
</table>

Mobility in soil: No data available.

### Other Adverse Effects

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

### 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:

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:

GCN-CL04 is not regulated for transport.

#### IMDG/IATA:

GCN-CL04 is not regulated for transport.

### Additional Information

#### Special precautions for user:

Read safety instructions, SDS and emergency procedures before handling.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable.
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>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

SARA 302 Extremely hazardous substance: No
SARA 311/312 Hazardous chemical: Yes
SARA 313 (TRI reporting):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>&lt; 5</td>
</tr>
</tbody>
</table>

This product does not contain known levels of any chemicals listed by the State of California as known 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>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</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.

REACH Registered Substances

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Index Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>203-905-0</td>
<td>603-014-00-0</td>
</tr>
<tr>
<td>Distillates (petroleum), heavy aliphatic</td>
<td>64742-96-7</td>
<td>265-200-4</td>
<td>649-406-00-5</td>
</tr>
</tbody>
</table>

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

International Inventories

<table>
<thead>
<tr>
<th>Country</th>
<th>Description</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>
</tbody>
</table>
16. Other Information

Date Prepared or Revised: July 2016
Supersedes: June 2014

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

Additional Classifications

<table>
<thead>
<tr>
<th>NFPA Ratings</th>
<th>HMIS Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HEALTH: 1</td>
</tr>
<tr>
<td></td>
<td>FLAMMABILITY: 1</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

H302: Harmful in swallowed.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.

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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