1. Identification

Product Identification

Product Identifier: Lubricant (GCN-LU04)
Recommended Use: GCN-LU04 is a tool lubricant for use with the Simpson Strong-Tie® Gas Concrete Nailer.
Use Restrictions: None known.

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

GCN-LU04 is a tool lubricant for use for the 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-LU04.

GHS Classification

Classification according to HazCom2012 (GHS)

Physical Hazards: Not classified.
Health Hazards:
- Skin Corrosion/Irritation Category 3 H316: Causes mild skin irritation
- Serious Eye Damage/Irritation Category 2B H320: Causes eye irritation
- Skin Sensitization Category 1 H317: May cause an allergic skin reaction

Environmental Hazards: Not Classified.

Main Symptoms: Irritation of eyes and skin. May cause rash/allergic reaction to the skin. Symptoms include redness, itching, burning, tearing, swelling, and blurred vision.

GHS Label Elements

Contains: Highly refined mineral oils
Signal Word: WARNING!
Hazard Statements:
- H316: Causes mild skin irritation.
- H320: Causes eye irritation.
- H317: May cause an allergic skin reaction.

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.
- P261: Avoid breathing dust, mist, or vapors.
- P264: Wash hands thoroughly after handling.
- P270: Do not eat, drink, or smoke when using this product.
- P272: Contaminated work clothing should not be allowed out of the work place.
- 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.
- P363: Wash contaminated clothing before reuse.
Tool Oil Lubricant
SAFETY DATA SHEET

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+P233: Store in a well-ventilated place. Keep container tightly closed.

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

Supplemental Label Information: None known.

Hazards Not Otherwise Classified (HNOC)
Failure to thoroughly clean skin during/after use of this product may result in clogged pores (oil acne/folliculitis). Direct exposure to an open flame or other ignition source will cause the product to burn. 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>Highly refined mineral oils*</td>
<td>&gt; 97</td>
<td>Mixture</td>
<td>---</td>
</tr>
<tr>
<td>Classifications: None.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Contains less than 3% (w/w) DMSO-extractables

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.

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
Irritation of eyes and skin. Rash/allergic reaction to the skin. Symptoms include redness, itching, burning, tearing, swelling, and blurred vision.

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>Oil mist, mineral</td>
<td>5 mg/m³</td>
<td>5 mg/m³ (TWA)</td>
<td>10 mg/m³ (STEL)</td>
</tr>
</tbody>
</table>

9. Physical and Chemical Properties

Physical State: Liquid
Form: Thin Fluid
Freezing/Melting Point: N/E
Boiling Point: 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.
Substances to Avoid: Oxidizing agents.
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. May cause irritation to the gastrointestinal tract.
Inhalation: May cause mild irritation to nose and respiratory tract.
Skin contact: May cause mild skin irritation or sensitization by skin contact. May clog pores (oil acne/folliculitis).
Eye contact: Direct eye contact may cause eye irritation.
Symptoms: Rash, redness, itching, tearing, swelling, and blurred vision.

Information on Toxicological Effects

Acute Effects
Toxicity: Not expected to be acutely toxic.

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCN-LU04</td>
<td>Acute, Oral, LD50</td>
<td>Rat &gt; 5000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Acute, Dermal, LD50</td>
<td>Rabbit &gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: May cause mild skin irritation. May clog pores.
Eye damage/eye irritation: Direct eye contact may cause eye irritation.
Respiratory sensitization: No data available.
Skin sensitization: May cause sensitization via skin contact.
Aspiration hazard: No data available.
Specific target organ toxicity

Single exposure: No data available.

Chronic Effects
Germ cell mutagenicity: The available data does not indicate that any component present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, NTP, ACGIH, or OSHA.
Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity

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 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 soluble in water. Not expected to be readily biodegradable.
Bioaccumulative potential: Not expected to bioaccumulate.
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-LU04 is not regulated for transport.
IMDG/IATA: GCN-LU04 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.
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.


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></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): No

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).

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.
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>Region</th>
<th>Details</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>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>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:** 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 0</td>
</tr>
<tr>
<td></td>
<td>PHYSICAL 0</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>1</td>
</tr>
<tr>
<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
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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