

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PT-27 Tools Lubricant

Product Description: Tool Lubricant

Company: Simpson Strong-Tie Company Inc.

Address: 5956 W. Las Positas Blvd.
Pleasanton, CA 94588 USA

Emergency Telephone Number: 1-800-535-5053 **US/Canada**
(24h) 1-352-323-3500 **International**

Date Prepared or Revised: March 2012
For most current MSDS, please visit our website at www.strongtie.com

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

WARNING! MAY CAUSE EYE AND/OR SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN SENSITIZATION.

SIGNS AND SYMPTOM OF OVEREXPOSURE**Acute**

Eye Contact: Exposure during handling may cause eye irritation, swelling, tearing, redness or cornea damage.

Skin Contact: Exposure during handling may cause moderate skin irritation. May cause skin sensitization, evidenced by rashes and hives.

Inhalation: Inhalation of vapors (generated at high temperatures only) or oil mist from this product may cause mild irritation of the upper respiratory tract. Excessive inhalation may cause local irritation, dizziness and nausea. Caution should be taken to prevent aerosolizing or misting of this product.

Ingestion: May cause irritation to the gastrointestinal tract and gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy, or diarrhea.

Systemic Effects: Lungs, eyes, and skin.

Chronic: Prolonged or repeated skin contact may cause a persistent irritation or dermatitis. Allergic reactions may arise in sensitive individuals.
Review section 11 for any additional assessments.

Medical Conditions which May be Aggravated by Inhalation or Dermal Exposure:

Preexisting skin and respiratory disorders may be aggravated by exposure to this product.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration (Weight %)	OSHA Hazard
Primary ingredient (Petroleum)	61789-86-4	Proprietary	Yes

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. If redness, burning, blurred vision, or swelling persists, **CONSULT A PHYSICIAN.**

Skin Contact: In case of contact, remove product and immediately wash affected area with plenty of soap and water for at least 5 minutes. Do not apply greases or ointments. Remove contaminated clothing. Clean contaminated clothing with soap and water before re-use. If redness, burning, or swelling persists, **CONSULT A PHYSICIAN.**

Ingestion: **DO NOT INDUCE VOMITING.** Never administer anything by mouth to an unconscious person. Rinse out mouth with water, then drink sips of water to remove taste from mouth. **CONSULT A PHYSICIAN.** Do not leave victim

PT-27 TOOL LUBRICANT - MATERIAL SAFETY DATA SHEET

Inhalation:

unattended. If vomiting occurs spontaneously, lay victim on the side and keep head lower than waist to prevent aspiration.

If respiratory irritation or distress occurs, remove victim to fresh air. If breathing is difficult, give oxygen. If breathing stops, apply artificial respiration. **CONSULT A PHYSICIAN.**

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: In case of fire, use foam, dry chemicals, CO₂, sand/earth to extinguish fire.

Fire And Explosion Hazard: Do not cut, drill, grind, or weld on or near container even if empty. A complex mixture of airborne solid, liquid, particulate and gases will evolve when this material undergoes pyrolysis or combustion. Subject to combustion conditions, at high temperatures, material may decompose and burn to produce CO, CO₂, Sox, NO_x, CaO and other unidentified organic/inorganic compounds.

Fire Fighting Equipment And Procedures: Wear full protective clothing and self-contained breathing apparatus for fire fighting. Isolate fuel supply from fire. Clear fire area of all non-emergency personnel. Use water spray to cool fire-exposed surfaces and containers.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use cautious judgment when cleaning up spill. Shut off leaks, if possible without personal risk. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

Environmental Precautions: Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

Clean-up Methods: **Small spills:** Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal.

Large spills: Approach suspected leak areas with caution. Create a dike or trench to contain material. Remove with vacuum truck or pump to storage/salvage vessels.

Additional Information: Notify authorities if any exposures to the general public or environment occur or are likely to occur. Dispose in accordance with federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling (Personnel): To prevent skin and eyes contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Avoid breathing fumes. Handle in a well-ventilated work area. Launder contaminated clothing before reuse.

Handling (Physical Aspects): Close container after each use. Keep away from heat, sparks and flames.

Storage: Keep away from: acids, oxidizing agents, heat, or flames. Keep in cool, dry, well-ventilated area in closed containers. Protect containers from physical damage.

Storage Temperature: Material can be stored up to a temperature of 158°F (70°C).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	ACGIH		OSHA (PEL)
	(TLV)	(STEL)	
Oil mist, mineral	5 mg/m ³	10 mg/m ³	5 mg/m ³

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure techniques may be used to effectively minimize employee exposures.

Ventilation: Use local exhaust or general dilution ventilation to control exposure within applicable limits.

Eye Protection: When engaged in activities where product could contact the eye, wear safety glasses with side shields, chemical splash goggles, or face shield.

Skin Protection: Skin contact should be minimized through use of nitrile, neoprene or butyl gloves and suitable long sleeved clothing. Consideration must be given both to durability as well as permeation resistance.

PT-27 TOOL LUBRICANT - MATERIAL SAFETY DATA SHEET

- Respirator Protection:** Not required for properly ventilated areas. Avoid actions that cause dust exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. NIOSH or MSHA approved particulate filter respirators should be used to control exposures when ventilation or other controls are inadequate or discomfort or irritation is experienced. Respirator and/or filter cartridge selection should be based on American National Standards Institute (ANSI) Standards Z88.2 - Practices for Respiratory Protection.
- Work Practice Controls:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:
- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
 - (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. Wash exposed skin promptly to remove accidental splashes or contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Waxy solid at room temperature	Freezing Point:	N/E
Color:	Brown	Flash Point:	237°F (114°C) Close Cup
Odor:	Slightly musty	Specific Gravity:	0.8 – 0.85 @ 59°F (15°C)
Vapor Pressure:	N/E	Viscosity:	N/A
Boiling Point:	N/E	Solubility In Water:	<1%

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions To Avoid:	High temperature and open flame.
Materials To Avoid:	Strong oxidizing materials such as chromic acid, hydrogen peroxide, and bromine.
Hazardous Decomposition Products:	Combustion may produce carbon monoxide, carbon dioxide, nitrous oxide, and HCN, and other unidentified organic/inorganic compounds.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	
Oral (LD₅₀, Rat):	>5 g/Kg rat
Dermal (LD₅₀, Rat):	>2 g/Kg rat
Inhalation (LC₅₀, Rat):	N/E
Additional Information:	Studies with test animals indicate that calcium sulfonates may have the potential to cause allergic skin reactions. While conclusive evidence is not available. It is strongly recommended that the safety precautions outlined in this MSDS be followed to minimize employee exposure.
Carcinogenic Classification:	IARC <u>No</u> ; ACGIH <u>No</u> ; NTP <u>No</u> ; OSHA <u>No</u> .

12. ECOLOGICAL INFORMATION

Ecotoxicity:	This product has not been evaluated.
Chemical Fate Information:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:	Dispose of container and unused contents in accordance to local, state and federal regulations.
Container Disposal Method:	Emptied container may contain product residue and should not be reused.

14. TRANSPORTATION INFORMATION

DOT/IATA/IMO/TDG:	Not Regulated For Transport.
--------------------------	------------------------------

15. REGULATORY INFORMATION
US FEDERAL REGULATIONS:
OSHA Hazard Communication Standard (29CFR 1910.1200):

This product is considered a "hazardous chemical" under this regulation.

Status Under Toxic Substances Control Act (TSCA) (40 CFR 710):

All chemicals comprising this product are either exempt or listed on the TSCA Inventory.

EPA SARA Title III Section 311 and 312 (40 CFR 370) Hazard Classification:

Fire Hazard: No **Release of Pressure:** No
Reactive Hazard: No **Acute Health Hazard:** Yes
Chronic Health Hazard: No

EPA SARA Title III Section 313 (40 CFR 372 Toxic Chemical Release Inventory (TRI)) Component(s) above 'de minimus' level: Not listed.

US STATE REGULATIONS:
California - "Safe Drinking Water and Toxic Enforcement Act" (Proposition 65):

This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

INTERNATIONAL REGULATIONS:
EEC LABELING:
Hazard Classification

Danger Symbol: Xi
Risk Phrases: R36 Irritating to eyes.
Safety Phrases: S7 Keep container tightly closed.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash affected area immediately with soap and water.
S36/37/39 Wear suitable protective clothing, gloves, and eye/face protection.

CANADIAN DSL/NDSL INVENTORY STATUS:

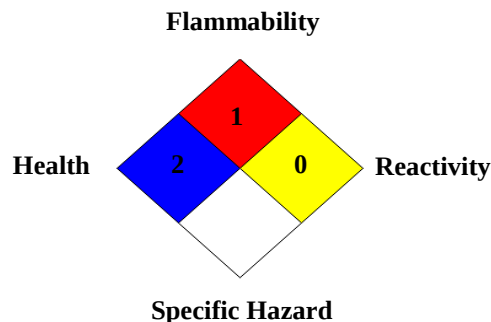
Components of this product are listed on the Canadian DSL or NDSL inventories.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS:

Class D-2B: Material causing other toxic effects


16. OTHER INFORMATION
HAZARD RATINGS:
Hazardous Material Information System (HMIS)

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	B

National Fire Protection Association (NFPA)


HMIS/NFPA Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

Protective Equipment: B- Safety glasses, gloves

N/E – Not Established



PT-27 TOOL LUBRICANT - MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet (MSDS) is prepared by Simpson Strong-Tie Company Inc. 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 MSDS. This MSDS 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.

© Copyright 2012 Simpson Strong-Tie Company Inc.