

PAT Tool Lubricant

SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: PT-MTL2.0
Recommended Use: Powder-Actuated Tools Lubricant
Use Restrictions: None Known.
Company: Simpson Strong-Tie Company Inc.
Address: 5956 W. Las Positas Blvd.
Pleasanton, CA 94588 USA
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



Physical Hazards: Flammable Liquids Category 4
Health Hazard: Skin Corrosion/Irritation Category 2
Aspiration Hazard Category 2
STOT, Single Exposure Category 3 (Narcotic Effects)
STOT, Repeated Exposure Category 2
Environmental Hazards: Acute Aquatic Environmental Hazard Category 2
Signal Word: **WARNING!**
Hazard Statements: Combustible liquid. Causes skin irritation. May be harmful if swallowed and enters the lungs. May cause drowsiness or dizziness. May cause respiratory irritation. Toxic to aquatic life.
Precautionary Statements:
Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Avoid release to the environment.
Response: In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction. If exposed or concerned: Call a poison center/doctor. If Inhaled: Remove victim to fresh air and keep in a rest position comfortable for breathing. If experiencing respiratory symptoms: Call poison center/doctor. If swallowed: Do NOT induce vomiting. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect Spillage.
Storage: Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Disposal: Dispose of contents/container in accordance with local/regional/national regulations.

Hazards not otherwise Classified (HNOC): None known.

3. COMPOSITION INFORMATION

Chemical Name	CAS Number	Weight %
Distillates (petroleum), hydrogenated light	64742-47-8	60-70
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	10-20
Inhibitor Blend	N/A	5-15

Composition Note: This product is a mixture. Hazardous ingredients are listed above. May include other nonhazardous ingredients. May include other trace ingredients, see Section 15.

4. FIRST-AID MEASURES

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.
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 persists consult a physician.
Ingestion:	Rinse mouth immediately. Do NOT induce vomiting. Consult a physician.
Ingestion Note:	This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when decided whether to induce vomiting. All treatments should be based on observed signs and symptoms of distress.
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:	Irritant effects. Symptoms include itching, burning, redness and tearing. Central nervous system depression (drowsiness, dizziness, weakness, fatigue).
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.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Extinguish with foam, carbon dioxide, dry powder, or water fog.
Additional Information:	None known.
Hazards during Fire-Fighting:	Hazardous gases/vapors produced are carbon monoxide, carbon dioxide, and smoke. 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:	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.
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. Prevent entry into waterways, sewer, basements or confined areas.
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. Wash thoroughly after handling. Observe good industrial hygiene practices.

Storage: Store away from incompatible materials(see section 10 of the SDS). Keep in original container, keep container tightly closed. Store in a cool, dry place out of direct sunlight. Keep away from heat and sources of ignition. Protect against physical damage. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

Respirator Protection: NIOSH or MSHA approved air-purifying respirators should be used in the context of respiratory protection program meeting the requirements of the OSHA respiratory protection standard [29 CFR 1910.134] to control exposures when ventilation or other controls are inadequate or discomfort or irritation is experienced.

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: When using indoor good general ventilation should be used, use local exhaust or general dilution ventilation to control exposure. Provide eyewash station and emergency shower.

Exposure Limits:

Component	OSHA (PEL)	ACGIH (TLV)	Other
Distillates (petroleum), hydrogenated light (CAS 64742-47-8)	N/E	N/E	1200 mg/m ³ (manufacturer)
Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)	5 mg/m ³	5 mg/m ³	N/E

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid	Freezing/Melting Point: -105°F (-76°C)
Form: Liquid	Boiling Point: 380°F (193°C)
Color: Amber	Flash Point: 178°F (81°C)
Odor: Pleasant	Evaporation Rate: Slow
Odor Threshold: N/E	Specific Gravity: 0.85
pH: N/E	VOC: 321.4 g/L
U. Flammability: 5.0	L Flammability: 0.7
Vapor Pressure: N/E	Vapor Density: > 2 (Air=1)
Solubility: Negligible	Kow: N/E
Decomposition: N/E	Viscosity: N/E

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.

Substances to Avoid: Oxidizing agents.

Hazardous Reactions: Hazardous polymerization will not occur.

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Ingestion: Ingestion may cause irritation to the gastrointestinal tract. Aspiration hazard, do not induce vomiting if product is swallowed. Consult a physician.
Inhalation: Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation may be harmful. May cause damage to organs by inhalation.
Skin contact: Causes skin irritation.
Eye contact: Causes eye irritation.

Information on toxicological effect:

Acute toxicity: Occupational exposure may have a damaging effect.

Product	Species	Test Result
PT-MTL2.0	Acute, Oral, LD50	Rabbit 6164 mg/kg (estimated)
	Acute, Dermal, LD50	Rat 2857 mg/kg (estimated)
	Acute, Inhalation, LC50	Rat 7.85 mg/l (estimated)
	Subchronic, Oral, LD50	Rat 782 mg/kg (14 day estimated)

Skin corrosion/irritation: Causes skin irritation.
Eye damage/eye irritation: Causes eye irritation.
Respiratory sensitization: No data available.
Skin sensitization: Not expected to be a skin sensitizer.
Germ cell mutagenicity: The available data does not indicate that any component present at greater than 0.1% is 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.
Aspiration hazard: May be harmful if swallowed and enters the lungs.
Specific target organ toxicity:
 Single exposure May cause drowsiness or dizziness. May cause respiratory irritation.
 Repeated exposure Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.
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

Ecotoxicity: Information given is based on data on the components and the ecotoxicology of similar products. The product is classified as toxic to aquatic life. Avoid release to the environment.

Component	Species	Test Result
Distillates (petroleum), hydrogenated light (CAS 64742-47-8)	Aquatic, Fish, LC50	Bluegill Sunfish 2.2 mg/l, 96 Hours

Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption) are expected from this product.

13. DISPOSAL CONSIDERATIONS

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/international regulations.

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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

United States Department of Transportation (USDOT): Not regulated for transport by DOT.
International Air Transportation Association (IATA): Not regulated as a hazardous material.
International Maritime Dangerous Goods Code (IMDG): Not regulated as a hazardous material.

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

US 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) Not regulated.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.
CERCLA Hazardous Substance List (40 CFR 302.4) Not Regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard	Yes
	Delayed Hazard	No
	Fire Hazard	Yes
	Pressure Hazard	No
	Reactivity Hazard	No



SARA 302 Extremely hazardous substance No
SARA 311/312 Hazardous chemical Yes
SARA 313 (TRI reporting) None

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 Lists

Chemical	Massachusetts RTK	New Jersey Work and Community RTK Act	Pennsylvania Worker and Community RTK Law	Rhode Island RTK
Distillates (petroleum), hydrogenated light			Listed	

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

	
Class B-3: Combustible Liquid	Class D-2B: Material Causing other toxic effects

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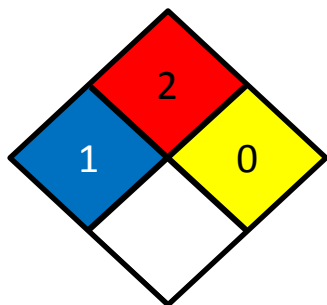
International Inventories

Country or Region	Inventory	On Inventory? (Yes/No)
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

16. OTHER INFORMATION

Date Prepared or Revised: June 2014

NFPA Ratings



HMIS Rating

HEALTH HAZARD	1
FLAMMABILITY HAZARD	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

Legend

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)
CPR:	Controlled Product Regulations (Canada)
DOT:	Department of Transportation (U.S.)
EPA:	Environmental Protection Agency (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
LPP:	Limité Permissible Ponderado (Chile)
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)
SDS:	Safety Data Sheet
STEL:	Short Term Exposure Limit (15 minute Time Weighted Average)

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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)
U.S.: United States
VOC: Volatile Organic Compounds
WHMIS: Canadian Workplace Hazardous Materials Information System

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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