1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name

Park Tool Company PPL-1 / PPL-2 PolyLube 1000 Lubricant

Other means of identification

Product Code(s)
PPL

Synonyms

PPL-1 / PPL-2

Recommended use of the chemical and restrictions on use

Recommended Use

Lubrication on bicycles

Uses advised against

No information available

Supplier's details

Supplier Address

Park Tool Company
5115 Hadley Avenue N
St Paul, MN 55128
651-777-6868

Emergency telephone number

Emergency Telephone Number

CHEMTREC: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

Classification

This product is considered hazardous according to the criteria set within the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

Skin Sensitization

Category 1

Label Elements

Signal Word

Warning
Hazard Statements
May cause an allergic skin reaction

Physical and Health Hazards Not Otherwise Classified
Not applicable.

Precautionary Statements
Prevention
• Avoid breathing dust/fume/gas/mist/vapors/spray.
• Contaminated work clothing should not be allowed out of the workplace.
• Wear protective gloves.

General Advice
• Specific treatment (see supplemental first aid instructions on this label)

Skin
• IF ON SKIN: Wash with plenty of soap and water.
• If skin irritation or rash occurs: Get medical advice/attention.
• Wash contaminated clothing before reuse.

Disposal
• Dispose of contents/container to an approved waste disposal plant.

Other information
Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Synonyms</th>
<th>PPL-1 / PPL-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name</td>
<td>CAS-No</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic</td>
<td>64742-52-5</td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic</td>
<td>64741-88-4</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>471-34-1</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>Urea, N,N’-(methylenedi-4,1-phenylene)bis[N'-cyclohexyl-]</td>
<td>58890-25-8</td>
</tr>
<tr>
<td>Diphenyl methanebis(stearylurea)</td>
<td>43136-14-7</td>
</tr>
<tr>
<td>Residual oils (petroleum), solvent refined</td>
<td>64742-01-4</td>
</tr>
<tr>
<td>N-Phenyl-1-naphthylamine</td>
<td>90-30-2</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Description of necessary first-aid measures
Eye Contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and
continue flushing for at least 15 minutes. Get medical attention.

### Skin Contact
Wash skin with soap and water. Get medical attention if symptoms occur. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

### Inhalation
Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

### Ingestion
Rinse mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Have victim sip a glass of water if able to swallow. If vomiting occurs, lean victim forward to reduce the risk of aspiration. If symptoms persist, call a physician.

### Protection of First-aiders
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### Most important symptoms/effects, acute and delayed
**Itching. Rashes. May cause allergic skin reaction.**

#### Indication of immediate medical attention and special treatment needed, if necessary
Treat symptomatically.

#### Notes to Physician
Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media
None known.

#### Specific Hazards Arising from the Chemical
No information available.

#### Hazardous Combustion Products
Carbon monoxide. Carbon dioxide (CO$_2$). Nitrogen oxides (NOx). Metal oxides.

#### Explosion Data
- **Sensitivity to Mechanical Impact**: None.
- **Sensitivity to Static Discharge**: None.

#### Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

#### Personal Precautions
Deny entry to unauthorized and unprotected personnel. Evacuate personnel to safe areas. Do not touch or walk through spilled material. Ensure adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

#### Environmental Precautions
Prevent further leakage or spillage if safe to do so. Prevent from entering into soil, ditches, sewers, waterways, and/ or groundwater. Local authorities should be advised if significant spillages cannot be contained.

#### Methods and materials for containment and cleaning up

#### Methods for Containment
Prevent further leakage or spillage if safe to do so.

#### Methods for Cleaning Up
Avoid dust formation. Do not dry sweep. Pick-up spillage using a high efficiency vacuum cleaner. Keep in suitable and closed containers for disposal. Dispose of via a licensed
7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Wear personal protective equipment. Do not ingest. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Empty containers may contain hazardous residues.

Conditions for safe storage, including any incompatibilities

Storage

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from incompatible materials. Do not store with food. Do not store in unlabeled containers. Store containers upright. Store in accordance with local regulations.

Incompatible Products

No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic 64741-88-4</td>
<td>TWA: 5 mg/m³, as oil mist, mineral STEL: TWA: 10 mg/m³, as oil mist, mineral</td>
<td>TWA: 5 mg/m³, as oil mist, mineral</td>
<td>-</td>
</tr>
<tr>
<td>Calcium carbonate 471-34-1</td>
<td>-</td>
<td>TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 5 mg/m³</td>
<td>TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust</td>
</tr>
<tr>
<td>Limestone 1317-65-3</td>
<td>-</td>
<td>TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 5 mg/m³</td>
<td>TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust</td>
</tr>
<tr>
<td>Residual oils (petroleum), solvent refined 64742-01-4</td>
<td>TWA: 5 mg/m³, as oil mist, mineral STEL: TWA: 10 mg/m³, as oil mist, mineral</td>
<td>TWA: 5 mg/m³, as oil mist, mineral</td>
<td>-</td>
</tr>
<tr>
<td>N-Phenyl-1-naphthylamine 90-30-2</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Risk of contact: Tightly fitting safety goggles.

Skin and Body Protection

Wear suitable protective clothing Chemical resistant gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Respiratory Protection

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hygiene Measures

Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling. Wash hands before eating, drinking or smoking.
9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ - Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Not applicable</td>
<td>None known</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>Not applicable</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>Not applicable</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>lower flammability limit</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Relative Density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not applicable</td>
<td>None known</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble in water.</td>
<td>None known</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not applicable</td>
<td>None known</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not applicable</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&gt; 20.5 cSt @ 40°C</td>
<td>None known</td>
</tr>
</tbody>
</table>

Other information

VOC Content (%) Not applicable.

10. STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Hazardous Polymerization
None under normal processing.

Conditions to avoid
None known based on information supplied.

Incompatible materials
No information available

Hazardous decomposition products None under normal use.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation
Inhalation of vapors in high concentration may cause irritation of respiratory system.

Eye Contact
Contact with eyes may cause irritation.

Skin Contact
May cause irritation. May cause allergic skin reaction.

Ingestion
No known effect based on information supplied.
Numerical measures of toxicity - Product

LD50 Oral  > 5,000 mg/kg; (rat)
LD50 Dermal  > 5,000 mg/kg; (rabbit)

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic</td>
<td>&gt; 5000 mg/kg ( Rat )</td>
<td>&gt; 2000 mg/kg ( Rabbit )</td>
<td>-</td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic</td>
<td>&gt; 5000 mg/kg ( Rat )</td>
<td>&gt; 2000 mg/kg ( Rabbit )</td>
<td>&gt; 5530 mg/m³ ( Rat ) 4 h</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>= 6450 mg/kg ( Rat )</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Residual oils (petroleum), solvent refined</td>
<td>&gt;5000 mg/kg (rat)</td>
<td>&gt;2000 mg/kg (rabbit)</td>
<td>= 2.18 mg/L ( Rat ) 4 h</td>
</tr>
<tr>
<td>N-Phenyl-1-naphthylamine</td>
<td>1625 mg/kg ( Rat )</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms
No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Respiratory or Skin Sensitization
May cause sensitization of susceptible persons. May cause sensitization by skin contact.

Germ Cell Mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met. Product contains petroleum distillates. The supplier declares that it can be shown that the substance(s) contain less than 3% DMSO extract as measured by IP 346.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic</td>
<td>A2</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic</td>
<td>A2</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
</tr>
<tr>
<td>Residual oils (petroleum), solvent refined</td>
<td>A2</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
</tr>
</tbody>
</table>

ACGIH: (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans

NTP: (National Toxicity Program)
Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity
Based on available data, the classification criteria are not met.

Developmental Toxicity
Based on available data, the classification criteria are not met.

STOT - single exposure
Based on available data, the classification criteria are not met

STOT - repeated exposure
Based on available data, the classification criteria are not met

Aspiration Hazard
None of the ingredients are known to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to</th>
<th>Daphnia Magna (Water)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Microorganisms</th>
<th>Flea</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 96 h: &gt; 5000 mg/L (Oncorhynchus mykiss)</td>
<td>EC50 48 h: &gt; 1000 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>LC50 96 h: &gt; 5000 mg/L (Oncorhynchus mykiss)</td>
<td>EC50 48 h: &gt; 1000 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>&gt; 5000 mg/L: LC50 96 h (Oncorhynchus mykiss)</td>
<td>EC50 48 h: &gt; 1000 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>LC50 (daphnia magnia) = 0.06 mg/L semi-static</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and Degradability
No information available

Bioaccumulation
No information available

Mobility
No information available

Other Adverse Effects
No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**
Dispose of in accordance with local regulations.

**Contaminated Packaging**
Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG</td>
<td>Not regulated</td>
</tr>
<tr>
<td>MEX</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

### 15. REGULATORY INFORMATION

**International Regulations**

- Ozone depleting substances: Not applicable
- Persistent Organic Pollutants: Not applicable
- Hazardous Waste: Not applicable
- The Rotterdam Convention (Prior Informed Consent): Not applicable
- International Convention for the Prevention of Pollution from Ships (MARPOL): Not applicable

**International Inventories**

- TSCA: Contact supplier for inventory compliance status
- DSL/NDSL: Contact supplier for inventory compliance status

**Legend**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any
chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Limestone</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Residual oils (petroleum), solvent refined</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

### 16. OTHER INFORMATION

**NFPA**

Health Hazard 2  Flammability 0  Instability 0  Physical and Chemical Hazards -

**HMIS**

Health Hazard 2  Flammability 0  Physical Hazard 0  Personal Protection X

**Prepared By**

Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 21-Jun-2018  
**Revision Date** 21-Jun-2018  
**Revision Note** Initial Release.

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet