MATERIAL SAFETY DATA SHEET
SLICK 50® ONE GREASE®

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SLICK 50® ONE GREASE®
Product Use: Grease
Synonyms: 40901035, 40901400, 40906001, 40906145, BC40906001

Company Information
SOPUS Products
P.O. Box 4427
Houston, TX  77210-4427
USA

Phone Numbers
Medical Emergency: 1-800-546-6040
Transportation Emergency (USA): 1-800-424-9300
Transportation Emergency (International):
    1-703-527-3887(Call Collect)
MSDS Assistance: 1-800-546-6227
Fax On Demand: 1-800-546-6227
Technical Assistance: 1-800-458-4998
Customer Service: 1-800-468-8397
Fax Number: 713-217-3181
Internet Address: www.MSDS.PZLQS.com

2. COMPONENT INFORMATION

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight Percent Range</th>
<th>Hazardous in Blend</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASE LUBRICATING OILS MIXTURE</td>
<td>MIXTURE</td>
<td>75 - 80</td>
<td>No</td>
</tr>
<tr>
<td>LITHIUM SOAP</td>
<td>MIXTURE</td>
<td>10 - 15</td>
<td>No</td>
</tr>
<tr>
<td>WHITENER TRADESECRET</td>
<td>TRADESECRET</td>
<td>1 - 5</td>
<td>No</td>
</tr>
<tr>
<td>ANTIWEAR AGENT</td>
<td>MIXTURE</td>
<td>&lt; 1</td>
<td>No</td>
</tr>
<tr>
<td>CORROSION INHIBITOR</td>
<td>MIXTURE</td>
<td>&lt; 1</td>
<td>No</td>
</tr>
<tr>
<td>EXTREME PRESSURE AGENT</td>
<td>MIXTURE</td>
<td>5 - 100</td>
<td>No</td>
</tr>
</tbody>
</table>

Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Other: No information available

3. HAZARDS IDENTIFICATION

Emergency and Hazards Overview
CAUTION: REPEATED SKIN CONTACT CAN CAUSE DERMATITIS AND DEFATTING OF THE SKIN. GREASE WILL CAUSE THERMAL BURNS UPON CONTACT. SPILLS MAY CREATE A SLIPPING HAZARD.

NFPA Ratings: Health 1  Flammability 1  Reactivity 0

Primary Route of Exposure: Skin X  Inhalation --  Eye --

Health Effect Information
Eye Contact: This product is minimally irritating to the eyes upon direct contact. Based on testing of similar products and/or components.
**Skin Contact:** Avoid skin contact. This product is minimally irritating to the skin upon direct contact. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. Prolonged or repeated contact may result in oil acne which is characterized by blackheads with possible secondary infection. A high pressure grease gun injection injury can cause serious, delayed soft tissue damage. See Section 4, First Aid Information.

**Inhalation:** This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product. On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. Shortness of breath and cough are the most common symptoms. These are low-grade, chronic localized tissue reactions.

**Ingestion:** Do not ingest. This product is relatively non-toxic by ingestion. This product has laxative properties and may result in abdominal cramps and diarrhea. Exposure to a large single dose, or repeated smaller doses, may lead to lung aspiration, which can lead to lipid pneumonia or chronic lung inflammation. These are low-grade, chronic localized tissue reactions.

**Medical Conditions Aggravated by Exposure:** Drying and chapping may make the skin more susceptible to other irritants, sensitizers and disease.

**Other:** No information available

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### 4. FIRST AID INFORMATION

**Eye Contact:** Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and seek immediate medical attention.

**Skin Contact:** No treatment is necessary under ordinary circumstances. Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately. If injected under skin, contact a physician immediately. High pressure grease gun injection injury, can cause serious, delayed soft tissue injury.

**Inhalation:** This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions.

**Ingestion:** No treatment is necessary under ordinary circumstances.

**Notes to Physician:** No information available

**Other:** No information available

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### 5. FIRE AND EXPLOSION INFORMATION

**Flammable Properties**

- **Flash Point:** 374 °F, 190 °C
- **Test Method:** ASTM D-92 (C.O.C.)
- **Flammable Limits in Air**
  - **Upper Percent:** No data available
  - **Lower Percent:** No data available
- **Autoignition Temperature:** No data available
- **Test Method:** No information available

**NFPA Classification:** Class III-B combustible liquid

**Extinguishing Media:** Use dry chemical, foam, or carbon dioxide.
Fire Fighting Measures
Special Fire Fighting Procedures and Equipment: Water may be ineffective but can be used to cool containers exposed to heat or flame to prevent vapor pressure buildup and possible container rupture. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Unusual Fire and Explosion Conditions: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

Hazardous Combustion By-Products: None

Other: No information available

6. ACCIDENTAL RELEASE MEASURES

Personnel Safeguards: Consult Health Effect Information in Section 3, Personal Protection Information in Section 8, Fire and Explosion Information in Section 5, and Stability and Reactivity Information in Section 10. Remove all sources of ignition.

Regulatory Notifications: No notification required

Containment and Clean up: Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

Other: No information available

7. HANDLING AND STORAGE INFORMATION

Handling: Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106- Flammable and Combustible Liquids.

Storage: Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials.

Empty Container Warnings
Drums: Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed.
Plastic: Empty container may retain product residues.

Other: No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Exposure Limits and Guidelines
This product does not contain any components with OSHA or ACGIH exposure limits.

Personal Protective Equipment
Eye/Face Protection: Eye protection is not required under conditions of normal use. If material is handled such that it could be sprayed into eyes, wear plastic face shield or splash-proof safety goggles.
**Skin Protection:** No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, gloves, aprons, etc.). Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.

**Respiratory Protection:** Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.

**Personal Hygiene:** Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

**Engineering Controls / Work Practices**

Ventilation: General room ventilation is normally sufficient. If vapor or mist is generated when the material is heated or handled, adequate ventilation must be provided.

**Other:** As a precaution, all exposure to mists and vapors of petroleum products should be minimized. The OSHA permissible exposure limit (PEL) and ACGIH threshold limit value (TLV) for oil mist is 5 mg/m3. Chronic exposures below 5 mg/m3 are without significant health risks.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Green</td>
</tr>
<tr>
<td>Odor</td>
<td>Mint/pine fragrance</td>
</tr>
<tr>
<td>Physical state</td>
<td>Semi-solid</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1</td>
</tr>
<tr>
<td>Pour Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Octanol / Water Coefficient</td>
<td>Log K&lt;sub&gt;ow&lt;/sub&gt; = No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Percent Volatile by Volume</td>
<td>No data available</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>No data available</td>
</tr>
<tr>
<td>Average Carbon Number</td>
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</tr>
<tr>
<td>Viscosity @ 100 F</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity @ 40 C</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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### 10. STABILITY AND REACTIVITY INFORMATION

**Chemical Stability:** Stable

**Conditions to Avoid:** None

**Incompatible Materials to Avoid:** May react with strong oxidizing agents.

**Other:** No information available

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### 11. TOXICOLOGICAL INFORMATION

**Primary Eye Irritation:** No information available

**Primary Skin Irritation:** No information available

**Acute Dermal Toxicity:** No information available
Subacute Dermal Toxicity: No information available

Dermal Sensitization: No information available

Inhalation Toxicity: No information available

Inhalation Sensitization: No information available

Oral Toxicity: No information available

Mutagenicity: No information available

Carcinogenicity: The International Agency for Research on Cancer (IARC) has concluded that there is inadequate data to evaluate the carcinogenicity to experimental animals of formulated products.

Reproductive and Developmental Toxicity: No information available

Teratogenicity: No information available

Immunotoxicity: No information available

Neurotoxicity: No information available

Other: No information available

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: No information available

Terrestrial Toxicity: No information available

Chemical Fate and Transport: No information available

Other: No information available

13. DISPOSAL INFORMATION

Regulatory Information: Dispose of residual products and empty containers responsibly. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. Refer to state and local regulations.

Waste Disposal Methods: Waste material may be landfilled or incinerated at an approved facility. Materials should be recycled if possible.

Other: No information available

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT)
  Highway / Rail (Bulk): Not Regulated
  Highway / Rail (Non-Bulk): Not Regulated

For US shipments, US DOT law requires the shipper to determine the proper shipping description of the material that is being shipped. The shipping information and description contained in this section may not be suitable for all shipments of this material, but may help the shipper determine the proper shipping description for a particular shipment.
International Information

- Vessel: IMDG Regulated: --  IMDG Not Regulated:  X
- Air:  ICAO Regulated: --  ICAO Not Regulated:  X

Other: No information available

15. Regulatory Information

Regulatory Lists Searched: The components listed in Section 2 of this MSDS were compared to substances that appear on the following regulatory lists. Each list is numerically identified. See Regulatory Search Results below.


Environmental: 30 - CAA 1990 Hazardous air pollutants, 31 - CAA Ozone depletors, 33 - CAA HON rule, 34 - CAA Toxic substance for accidental release prevention, 35 - CAA Volatile organic compounds (VOC's) in SOCMI, 41 - CERCLA / SARA Section 302 extremely hazardous substances, 42 - CERCLA / SARA Section 313 emissions reporting, 43 - CWA Hazardous substances, 44 - CWA Priority pollutants, 45 - CWA Toxic pollutants, 47 - EPA Proposed test rule for hazardous air pollutants, 48 - RCRA Basis for listing - Appendix VII, 49 - RCRA waste, 49 - SDWA - (S)MCLs

International: 50 - Canada - WHMIS Classification of substance, 54 - Mexico - Drinking water - ecological criteria, 55 - Mexico - Wastewater discharges, 56 - US -TSCA Section (12)(b) - export notification


Inventories: 80 - Canada - Domestic substances, 81 - European - EINECS, 82 - Japan - ENCS, 83 - Korea - Existing and evaluated chemical substances, 84 - US -TSCA, 85 - China Inventory

Regulatory Search Results:
No components appear on any of the regulatory lists searched.

U.S. TSCA Inventory: All components of this material are on the US TSCA Inventory.

SARA Section 313: Consumer products are not regulated under SARA, Title III, Section 313.

IARC: No information available

SARA 311 / 312 Categories
- Not Regulated:  X

Canadian WHMIS Classification
Not a controlled substance under WHMIS

European Union Classification
- Hazard Symbols: No information available
Risk Phrases:
No information available

Safety Phrases:
No information available

Other: No information available

16. OTHER INFORMATION

Health and Environmental Label Language
Back Label:
CAUTION: Contains petroleum lubricant. Repeated skin contact can cause skin disorders.
PRECAUTIONARY MEASURES: Avoid excessive & prolonged skin contact. Wash thoroughly after handling. Avoid generation and inhalation of oil mists.

KEEP OUT OF REACH OF CHILDREN.

MSDS Revisions
Previous Version Date: 6/17/2002

Previous Version Information
No information available

Other
No information available

Prepared By:
SOPUS Products
P.O. Box 4427
Houston, TX 77210-4453 USA

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