



MATERIAL SAFETY DATA SHEET

ProOne WireGlide Wireline Lubricant

SECTION 1- PRODUCT IDENTIFICATION

| | |
|--|---|
| TRADE NAME (AS LABELED) | ProOne WireGlide Wireline Lubricant |
| CHEMICAL FAMILY NAME | Mineral oil |
| CAS# | Mixture |
| PRODUCT USE | Lubricating and cleaning grease |
| CHEMICAL SHIPPING NAME / CLASS: | Non-regulated material |
| MANUFACTURER'S NAME | ProOne Inc. |
| MANUFACTURER'S ADDRESS | 940 S. Coast Drive Suite 200, Costa Mesa, CA 92626 |
| EMERGENCY PHONE | 1-800-424-9300 Chemtrec Toll free in US and Canada |
| E-MAIL ADDRESS | safety@pro-one.us |
| WEBSITE INFORMATION | www.pro-one.us , www.pro1energy.com |
| DATE OF CURRENT REVISION | 03/11/2015 |
| DATE OF LAST REVISION | New |

SECTION 2-HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

| | |
|---------------------------------|--|
| PRODUCT DESCRIPTION | This product is a green oily colored liquid with a petroleum odor. |
| OSHA/HCS STATUS | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), there may be one or more components in this mixture that are classified as hazardous. This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product. |
| EMERGENCY OVERVIEW | No specific hazard |
| ROUTES OF ENTRY | Dermal contact, Eye contact, Inhalation, Ingestion. |
| EMERGENCY CONSIDERATIONS | Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding. |

POTENTIAL ACUTE HEALTH EFFECTS:

| | |
|-------------------|---|
| INHALATION | Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, use mouth to mouth resuscitation. |
| INGESTION | Not expected to be a problem. However if greater than ½ liter (pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person. |
| SKIN | Wash contact areas with soap and water. |
| EYES | Flush thoroughly with water. If irritation occurs call a physician |



MATERIAL SAFETY DATA SHEET

ProOne WireGlide Wireline Lubricant

| POTENTIAL CHRONIC HEALTH EFFECTS | |
|---|--|
| CARCINOGENICITY | Not listed as carcinogenic by OSHA, NTP, or IARC. |
| MUTAGENICITY | No known significant effects or critical hazards. |
| TERATOGENICITY | No known significant effects or critical hazards. |
| DEVELOPMENTAL EFFECTS | No known significant effects or critical hazards. |
| CHRONIC EFFECTS | No known significant effects or critical hazards. |
| FERTILITY EFFECTS | No known significant effects or critical hazards. |
| MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE | Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated skin exposure can produce local skin destruction or dermatitis. |
| <i>SEE TOXICOLOGICAL INFORMATION (SECTION XI)</i> | |

| SECTION 3-COMPOSITION/INFORMATION ON INGREDIENTS | |
|--|---|
| NAME | Neutral Base Oil 64742-58-1 |
| | Lithium Hydroxide Monohydrate 1310-66-3 |
| | Distillates (Petroleum), Hydrotreated Heavy |
| | Naphthenic 64742-52-5 |
| | Severely Solvent Refined Heavy Naphthenic Distillate 64741-96-4 |
| | 12 HSA 106-14-9 |
| <i>There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.</i> | |

| SECTION 4-FIRST AID MEASURES | |
|-------------------------------------|---|
| EYE CONTACT | May cause mild eye irritation. As a precaution, remove contact lenses, if worn, and flush eyes with water. Lithium Hydroxide may cause blindness. |
| SKIN CONTACT | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately. Lithium Hydroxide will cause skin burns. |
| INHALATION | May cause nausea or dizziness. However if respiratory irritation, dizziness, nausea or unconsciousness occurs due to excessive vapor or mist exposure, seek medical attention. If operating conditions create airborne concentrations that exceed the exposure standard, the use of an approved OSHA/NIOSH respirator for organic vapors or air-supplied breathing equipment is recommended. Inhalation of Lithium Hydroxide dust irritated the respiratory tract. Continuous inhalation may cause lung damage. |
| INGESTION | Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately. Lithium Hydroxide is hazardous in case of ingestion. |



MATERIAL SAFETY DATA SHEET

ProOne WireGlide Wireline Lubricant

SECTION 4-FIRST AID MEASURES

| | |
|----------------------------|--|
| PROTECTION OF FIRST-AIDERS | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| NOTES TO PHYSICIAN | No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |

SECTION 5-FIRE FIGHTING MEASURES

| | |
|--|---|
| FLAMMABILITY OF THE PRODUCT | Maybe be combustible at high Temperatures. |
| EXTINGUISHING MEDIA | |
| SUITABLE | Foam, Water fog, dry chemical, CO2. |
| NOT SUITABLE | Straight streams of water |
| SPECIAL EXPOSURE HAZARDS | This material will burn although it is not easily ignited. Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. See Hazardous Decomposition Products. |
| PRODUCTS OF COMBUSTION | Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. |
| SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS | Fire-fighters should wear appropriate protective equipment and self-contained |
| SPECIAL REMARKS ON FIRE HAZARDS | Low fire hazard. This material must be heated before ignition will occur. |
| SPECIAL REMARKS ON EXPLOSION HAZARDS | Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------|--|
| PERSONAL PRECAUTIONS | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). |
| ENVIRONMENTAL PRECAUTIONS | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air) |



MATERIAL SAFETY DATA SHEET

ProOne WireGlide Wireline Lubricant

METHODS FOR CLEANING UP

| | |
|-------------|---|
| SMALL SPILL | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| LARGE SPILL | Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information and section 13 for waste disposal. |

7. HANDLING AND STORAGE

| | |
|----------|--|
| HANDLING | Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse the container. |
| STORAGE | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

| | |
|-----------------------------------|---|
| INGREDIENTS | Distillates, (Petroleum, hydrocarbon) |
| EXPOSURE LIMITS | ACGIH TLV (United States). Notes: (oil mist) TWA: 5 mg/m ³ 8 hour(s). (as oil mist) |
| RECOMMENDED MONITORING PROCEDURES | If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. |
| ENGINEERING MEASURES | No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. |



MATERIAL SAFETY DATA SHEET

ProOne WireGlide Wireline Lubricant

| | |
|----------------------------|---|
| HYGIENE MEASURES | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| PERSONAL PROTECTION | |
| RESPIRATORY | Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicated 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. Recommended: organic vapor filter. |
| HANDS | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. |
| EYES | Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------|----------------------------|
| PHYSICAL STATE- | Green Colored Grease |
| FLASH POINT: C (F) - | 219(426) |
| AUTO-IGNITION TEMPERATURE- | Not Available |
| FLAMMABLE LIMITS- | Not Available |
| COLOR- | Green |
| ODOR- | Slight Petroleum Odor |
| ODOR THRESHOLD- | Not Available |
| pH- | Not Available |
| BOILING/CONDENSATION POINT: | |
| @760 ^o mmHg | Not Available |
| MELTING/FREEZING POINT- | Not Available |
| Specific Density- | .786 @ 15.6 ^o C |
| VAPOR PRESSURE- | Not Available |
| VAPOR DENSITY- | Not Available |
| VOLATILITY- | Not Available |
| EVAPORATION RATE | <1 |
| VISCOSITY | Not Available |
| POUR POINT C (F) | Not Available |
| SOLUBILITY | Negligible |
| COMPOUNDS- | Not Available |



MATERIAL SAFETY DATA SHEET

ProOne WireGlide Wireline Lubricant

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| CHEMICAL STABILITY | The product is stable |
| HAZARDOUS POLYMERIZATION | Will not occur. |
| MATERIALS TO AVOID | May react with strong oxidizers such as chlorates, nitrates, peroxides, etc. Avoid extreme heat. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Normal combustion forms carbon dioxide and water vapor, and may produce oxides, sulfur, and nitrogen. Incomplete combustion can produce carbon monoxide. |

11. TOXICOLOGY INFORMATION

| 11. TOXICOLOGY INFORMATION | | | | |
|----------------------------|---|---------|--------|-----------------|
| ACUTE TOXICITY | | | | |
| | Result | Species | Dose | Exposure |
| Conclusion/Summary | Low Toxicity in oral and dermal | Rabbit | >5g/kg | LD50 24 hour |
| CHRONIC TOXICITY | | | | |
| Conclusion/Summary | Not considered irritating and essentially non toxic based off dermal, oral, inhalation, skin, and eye irritation test in lab rabbits. | | | |
| IRRITATION / CORROSION | | | | |
| Conclusion/Summary | Not available | | | |
| SENSITIZER | | | | |
| Conclusion/Summary | Not available | | | |
| CARCINOGENICITY | | | | |
| Conclusion/Summary | Not available | | | |
| MUTAGENICITY | | | | |
| Conclusion/Summary | Not available | | | |
| TERATOGENICITY | | | | |
| Conclusion/Summary | Not available | | | |
| REPRODUCTIVE TOXICITY | | | | |
| Conclusion/Summary | Not available | | | |

12. ECOLOGICAL INFORMATION

| Environmental Effects | No known significant effects or critical hazards. |
|-----------------------|--|
| Aquatic Ecotoxicity | |
| Conclusion/Summary | Advise authorities if product has entered or may enter watercourses or sewer drains. |
| Biodegradability | |
| Conclusion/Summary | Not available |



MATERIAL SAFETY DATA SHEET

ProOne WireGlide Wireline Lubricant

13. DISPOSAL CONSIDERATIONS

| | |
|--|---|
| Waste Disposal | This product is not characterized as hazardous waste under RCRA. No EPA waste numbers are applicable for this product's components. |
| Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. | |

14. TRANSPORT INFORMATION

| Regulatory Information | UN Number | Proper Shipping Name | Classes | PG | Label | Additional Information |
|------------------------|---------------|----------------------|---------|----|-------|------------------------|
| TDG Classification | Not Regulated | | | | | |
| DOT Classification | Not Regulated | | | | | |

15. REGULATORY INFORMATION

| | |
|---|---|
| UNITED STATES | Listed Please note Mineral oil, petroleum extracts, heavy naphthenic distillate solvent appears on one or more of the hazardous substances lists in the following states: |
| TSCA (TOXIC SUBSTANCE CONTROL ACT) Registry | Not regulated |
| HCS Classification | |
| CANADA | |
| WHMIS (Canada) | Not controlled under WHMIS (Canada) |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

| INTERNATIONAL REGULATIONS | |
|--|---------------------------------------|
| Canada Inventory | All components are listed or exempted |
| United States Inventory (TSCA 8b) | All components are listed or exempted |
| Europe Inventory | All components are listed or exempted |
| Australia Inventory (AICS) | All components are listed or exempted |
| China Inventory (IECSC) | All components are listed or exempted |
| Japan Inventory | All components are listed or exempted |
| Korea Inventory | All components are listed or exempted |
| New Zealand Inventory of Chemicals (NZIoC) | All components are listed or exempted |
| Philippines Inventory (PICCS) | All components are listed or exempted |



MATERIAL SAFETY DATA SHEET

ProOne WireGlide Wireline Lubricant

16. OTHER INFORMATION

| | |
|---------------------|----------------|
| PREPARED BY: | ProOne Inc. |
| DATE OF PREPARATION | March 11, 2015 |

Disclaimer: This safety data sheet was prepared from information obtained from various sources, including product suppliers. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information contained herein is accurate and reliable to the best of the company's knowledge. ProOne Inc. shall not be held liable for any inaccuracies. ProOne Inc. does not warrant nor guarantee, whether expressed or implied, its accuracy or reliability and shall not be liable for any expense, loss or damage, direct or consequential, arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.