



# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

### *Company Information:*

BioBlend Renewable Resources, LLC  
1500 Jarvis Ave.  
Elk Grove Village, IL 60007  
(630) 227-1800  
www.bioblend.com

### *Emergency Contact Information:*

(630) 227-1800  
8 AM - 4 PM, Monday through Friday

|                     |   |
|---------------------|---|
| Product Name        | BioBlend PO   |
| Product Description | Biodegradable Penetrating Oil                           |
| Product Use         | Product is intended for use as an industrial lubricant. |

## SECTION 2: HAZARD(S) IDENTIFICATION

|                                  |   |            |
|----------------------------------|---|------------|
| Hazard Statement                 | This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard, which has been updated to align with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Flammable liquid and vapor. May be harmful if swallowed.  |            |
| Precautionary Statements         | Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear appropriate protective clothing. |            |
| Hazard Classification            | Flammable liquids   | Category 3 |
| Hazards not otherwise classified | None Known  |            |
| Unknown Toxicity Statement       | <1% of the mixture consists of ingredients with unknown toxicity  |            |

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Components                | CAS No.     | Weight % |
|---------------------------|-------------|----------|
| Canola                    | 120962-03-0 | 60-100%  |
| Green Solvent             | PROPRIETARY | 5-15%    |
| Water Displacing Additive | PROPRIETARY | 1-5%     |
| Performance Package       | MIXTURE     | 1-3%     |

The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is indicated as "PROPRIETARY" or "MIXTURE", information has been withheld as a trade secret.

### SECTION 4: FIRST AID MEASURES

|  |   |
|--|---|
| First Aid - Inhalation                                       | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.  |
| First Aid - Eye Contact                                      | Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.  |
| First Aid - Skin Contact                                     | Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.  |
| First Aid - Ingestion  | Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. |
| Recommendations for immediate medical care/special treatment | Physicians should treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.                                    |

### SECTION 5: FIREFIGHTING MEASURES

|                              |   |
|------------------------------|---|
| Suitable extinguishing media | Water spray, fog, CO2, dry chemical, or alcohol resistant foam. |
|------------------------------|---|

|   |  |
|---|--|
| <b>Unsuitable extinguishing media</b>             | <b>Do not use a solid water stream as it may scatter and spread fire.</b>  |
| <b>Specific hazards that may develop</b>          | <b>Risk of ignition. Rags and other materials containing this product may heat and spontaneously ignite if exposed to air. Store wiping rags and other materials in metal cans with tight fitting lids. Cool closed containers exposed to fire with water spray.</b>   |
| <b>Special firefighting equipment/precautions</b> | <b>Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode.</b> |

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

|   |  |
|---|--|
| <b>Personal precautions</b>                 | <b>Avoid high pressure washing or generation of aerosols. Material can create slippery conditions. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor.</b> |
| <b>Emergency procedures</b>                 | <b>In the event of a spill, evacuate non-essential personnel, remove any sources of ignition, ventilate spill area, and prevent entry into sewers and waterways. Pick up free material for recycle or disposal and absorb residual liquid with inert material.</b>   |
| <b>Methods and material for containment</b> | <b>Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.</b>  |
| <b>Cleanup procedures</b>                   | <b>General: Dam up, then soak up with absorbent material. Use a dry spill kit or sand, and collect in appropriate containers before disposing according to all proper regulations. Clean contaminated surfaces thoroughly.</b><br><br><b>Large Spills: Stop the flow of material, if this is without risk.</b>   |

## **SECTION 7: HANDLING AND STORAGE**

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for safe handling</b> | <b>Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.</b> |
| <b>Storage recommendations</b>       | <b>Store in a cool, sheltered location. To maintain product quality, do not store in heat or direct sunlight. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.</b>  |

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

| Chemical Name      | ACGIH TLV      | OSHA PEL  | Mexico                               | NIOSH  |
|--------------------|----------------|---|--------------------------------------|--|
| Vegetable Oil Mist | TVL: 10mg/m(3) | TWA: 5 mg/m(3) mist, respirable fraction<br>TWA: 15 mg/m(3) mist, total | TWA: 10 mg/m(3) except irritant oils | TWA: 10 mg/m(3) total mist<br>TWA: 5 mg/m(3) respirable mist |

**Engineering controls**      **Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits.**

### *Recommended Personal Protective Equipment:*

**Eye/Face Protection**      **Safety goggles or safety glasses with side shields are recommended.**

**Respiratory Protection**      **Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.**

**Skin/Body Protection**      **Chemical and oil resistant gloves are recommended. Appropriate body protection should be selected based on activity and possible exposure. Specific local conditions under which the product is used should also be taken into consideration. Use of an impervious apron is recommended.**

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**      **Amber liquid**

**Odor**      **Mild Odor**

**Odor Threshold**      **Not available**

**pH**      **Not available**

**Melting Point/  
Freezing Point**      **Not available**

**Initial Boiling Point/  
Range**      **Not available**

**Flash Point**      **>135° F (>55° C)**

**Evaporation rate**      **Not available**

**Flammability**      **Not available**

|   |   |
|---|---|
| <b>Flammability, upper limits</b>             | <b>Not available</b>                    |
| <b>Flammability, lower limits</b>             | <b>Not available</b>                    |
| <b>Vapor pressure</b>                         | <b>Not available</b>                    |
| <b>Vapor density</b>                          | <b>Not available</b>                    |
| <b>Relative density</b>                       | <b>Not available</b>                    |
| <b>Solubility(ies)</b>                        | <b>Soluble in many organic solvents</b> |
| <b>Solubility in water</b>                    | <b>Negligible</b>                       |
| <b>Partition coefficient: n-octanol/water</b> | <b>Not available</b>                    |
| <b>Auto-ignition temperature</b>              | <b>Not available</b>                    |
| <b>Decomposition temperature</b>              | <b>Not available</b>                    |
| <b>Viscosity @ 40C, cSt</b>                   | <b>Not applicable</b>                   |

## **SECTION 10: STABILITY AND REACTIVITY**

|   |  |
|---|--|
| <b>Reactivity</b>                         | <b>This product is stable and non-reactive under normal conditions of use, storage, handling and transportation.</b> |
| <b>Stability</b>                          | <b>This product is chemically stable under normal conditions of use, storage, handling and transportation.</b>       |
| <b>Possibility of hazardous reactions</b> | <b>Hazardous polymerization does not occur.</b>  |

|   |  |
|---|--|
| <b>Conditions to avoid</b>              | <b>Avoid contact with incompatible materials and keep product away from open flames, hot surfaces, temperatures exceeding flash point and sources of ignition.</b> |
| <b>Incompatible materials</b>           | <b>Strong oxidizing agents.</b>  |
| <b>Hazardous decomposition products</b> | <b>No hazardous decomposition products if stored and handled as indicated.</b>   |

## SECTION 11: TOXICOLOGICAL INFORMATION

### *Potential health effects:*

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | <b>May cause irritation to the respiratory system.</b>        |
| <b>Eye contact</b>  | <b>Causes serious eye damage. Causes mild eye irritation.</b> |
| <b>Skin contact</b> | <b>Causes skin irritation.</b>                                |
| <b>Ingestion</b>    | <b>May be harmful if swallowed.</b>                           |

### *Symptoms or effects, including acute and delayed:*

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | <b>None known or expected under normal use.</b> |
| <b>Eye Contact</b>  | <b>None known or expected under normal use.</b> |
| <b>Skin Contact</b> | <b>None known or expected under normal use.</b> |
| <b>Ingestion</b>    | <b>None known or expected under normal use.</b> |

### **Toxicological effects:**

|                               |  |
|-------------------------------|--|
| Acute Toxicity                | No data available  |
| Skin corrosion/irritation     | Causes skin irritation   |
| Serious eye damage/irritation | Causes serious eye damage  |
| Respiratory sensitization     | No data available  |
| Skin sensitization            | In vivo assay, mouse, does not cause skin sensitization  |
| Germ cell mutagenicity        | Ames Test, <i>S. typhimurium</i> , negative  |
| Cardiogenicity                | 29 CFR 1910.1001-1050, not listed  |
| Reproductive toxicity         | Developmental toxicity, rat - Dermal, no adverse effect observed                                   |
| STOT - single exposure        | May cause respiratory irritation; Inhalation - May cause respiratory irritation -Respiratory Tract |
| STOT - repeated exposure      | Not classified   |
| Aspiration hazard             | Not available  |

**NTP Report on Carcinogens**

**This product is not considered to be a carcinogen by NTP.**

**IARC listing of potential carcinogens**

**This product is not considered to be a carcinogen by IARC.**

**OSHA listing of potential carcinogens**

**This product is not considered to be a carcinogen by OSHA.**

## **SECTION 12: ECOLOGICAL INFORMATION**

**OECD 301B  
Biodegradability**

**>75%**

**Bioaccumulation**

**Not available**

**OECD 201  
Alga, EC50, 72hr, mg/L**

**Not available**

**OECD 202  
Daphnia, EC50, 48hr,  
mg/L**

**Not available**

**OECD 203  
Fish, LC50, 96hr, mg/L**

**Not available**

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal considerations**

**Do not discharge into drains, water courses or onto the ground. 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 according to local regulation.**

**Waste from residues/  
unused products**

**Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Oil soaked materials may spontaneously combust and should be properly managed to avoid ignition and heat sources or oxygen rich environments. Collect and store soaked materials in closed metal containers to help prevent combustion.**

**Contaminated packaging**

**Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.**

## SECTION 14: TRANSPORT INFORMATION

|              |  |
|--------------|--|
| US DOT       | UN 1192, COMBUSTIBLE LIQUID, N.O.S., 3, PGIII<br>LTD. QTY. or LIMITED QUANTITY |
| TDG (Canada) | Not available  |
| ICAO         | UN 1192, COMBUSTIBLE LIQUID, N.O.S., 3, PGIII<br>LTD. QTY. or LIMITED QUANTITY |
| IMDG         | UN 1192, COMBUSTIBLE LIQUID, N.O.S., 3, PGIII<br>LTD. QTY. or LIMITED QUANTITY |
| IATA         | UN 1192, COMBUSTIBLE LIQUID, N.O.S., 3, PGIII<br>LTD. QTY. or LIMITED QUANTITY |

## SECTION 15: REGULATORY INFORMATION

|                                     |               |
|-------------------------------------|---------------|
| US TSCA Inventory                   | Not regulated |
| California Prop. 65                 | Not listed    |
| SARA Extremely Hazardous Substances | Not listed    |
| SARA Section 313                    | Not regulated |
| CERCLA Hazardous Substances         | Not listed    |



## SECTION 16: OTHER INFORMATION

Revision date                      6/28/2018



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