

**SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION****Company Identification:**

BioBlend Renewable Resources, LLC  
2250 Arthur Ave.  
Elk Grove Village, IL 60007

**Emergency Contact:** BioBlend 630-227-1800

**Health Emergency:** Contact the Local Poison Control Center.

**Product Name:** **BioBlend MPO**

**Health HMIS** 0

**Product Description:** **Biodegradable Multi-Purpose Oil**

**Flammability HMIS** 1

**Revision Date:** 04/04/2014

**Reactivity HMIS** 0

**Personal Protection HMIS** B

**SECTION 2: HAZARDS IDENTIFICATION**

**Overexposure (Acute):** General: Low oral and dermal toxicity.

**Eye Contact:** May cause eye irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.

**Skin Contact:** Prolonged or repeated contact is not likely to cause significant skin irritation.

**Inhalation:** Vapor inhalation under ambient conditions is normally not a problem. Fumes from overheated product may be harmful.

**Ingestion:** No hazards anticipated from ingestion incidental to industrial exposure.

**SECTION 3: HAZARDOUS INGREDIENTS / EXPOSURE LIMITS**

<b>Ingredients:</b>	<b>CAS# :</b>	<b>Weight, % :</b>	<b>OSHA :</b>	<b>ACGIH :</b>
Natural Esters	120962-03-0	85-95	N/A	N/E
Viscosity Modifiers	Proprietary Mixture	1-10	N/A	N/E
Proprietary Additive Package	Proprietary Mixture	1-5	N/A	N/E

## SECTION 4: FIRST AID MEASURES

**Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention if irritation develops.

**Skin Contact:** Wash skin with soap and water. Get medical attention if irritation persists.

**Inhalation:** Vapor inhalation under ambient conditions is not normally a problem. If overcome by vapors from overheated product, remove to fresh air. Give artificial respiration or oxygen if necessary. Get medical attention if discomfort continues.

**Ingestion:** Not expected to be a problem if ingested. Get medical attention if physical discomfort occurs.

## SECTION 5: FIRE FIGHTING MEASURES

**Flash Point, °F (°C):** >350 (177)

**Extinguishing Media:** Use CO<sub>2</sub>, dry chemicals, sand, dolomite, etc.; alcohol resistant foam, water spray, fog or mist.

**Fire Safety Procedure:** Wear self-contained breathing apparatus and full turn out gear to fight fire. Use water to keep exposed containers cool and disperse vapors. Avoid spreading liquid and fire by water flooding.

**Unusual Fire Hazard:** Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind or expose to heat, sparks or flame.

## SECTION 6: ACCIDENTAL RELEASE MEASURES / DISPOSAL

**Environmental Impact:** This product is >70% biodegradable, non-toxic, and is not expected to have adverse effects on humans or the environment, including fish and wildlife.

**Procedures for Spill:** Evacuate non-essential personnel. Use personal protective equipment. Remove sources of ignition, ventilate spill area, prevent entry into sewers and waterways. Pick up free material for recycle or disposal. Absorb residual liquid with inert material.

**Waste Management:** Dispose of according to federal, state and local regulations.

## SECTION 7: HANDLING AND STORAGE

**Handling Procedures:** Wash hands thoroughly after handling material. Avoid contact with skin and eyes.

**Storage Procedures:** Do not store near potential sources of ignition. Store in a well ventilated area. Keep lid closed when not in use.

**Incompatible Products:** Not Determined

**Safe Storage Temp.:** 40 - 95 F (5 - 35 C)

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** Not established for this product.

**Protective Equipment:** Impermeable gloves, splash goggles, eye wash.

**Respiratory Protection:** If overheated, use approved respiratory protective equipment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Viscosity @ 40°C:** 22

**Color:** Amber

**Odor:** Mild odor.

**Specific Gravity:** 0.89

**Flash Point, °F (°C):** >350 (177)

**Boiling Point, °F (°C):** Not Determined.

**Pour Point, °F (°C):** 0 (-18)

**Vapor Pressure:** Not Determined.

**Solubility in Water:** Negligible.

**Volatiles, % Volume:** 0%

**Evaporation Rate,  
Butyl Acetate=1:** Not Determined.

## SECTION 10: STABILITY AND REACTIVITY

<b>Thermal Stability:</b>	Stable.
<b>Conditions to Avoid:</b>	None known.
<b>Materials to Avoid:</b>	Strong oxidizers.
<b>Hazardous Decomposition Products:</b>	In the case of incomplete combustion, will produce oxides of carbon and carbon dioxide.
<b>Hazardous Polymerization:</b>	Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Toxicologocal Information:</b>	No experimental toxicological data on the product as such are available.
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## SECTION 12: ECOLOGICAL INFORMATION

<b>Biodegradability, OECD 301B, %:</b>	>70
<b>Alga &amp; Cyanobacteria, OECD 201:</b>	Not Determined
<b>Daphnia sp. Acute Immobilisation, OECD 202:</b>	Not Determined
<b>Fish, Acute Toxicity Test, OECD 203, LC50-96hr:</b>	Not Determined
<b>Surface Tension:</b>	No data available
<b>Degradation (Qualitative):</b>	Easily biologically degradable.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste from Residues / Unused Products:</b>	Dispose of in accordance with local regulations.
<b>Contaminated Packaging:</b>	Dispose of as unused product.
<b>Methods for Cleaning Up:</b>	Pick up free material for recycle or disposal. Absorb residual liquid with inert material.

## SECTION 14: TRANSPORTATION INFORMATION

<b>U.S. DOT:</b>	Not regulated by DOT as a hazardous material.
<b>TDG (Canada):</b>	Not regulated by TDG as a hazardous material.
<b>ADR:</b>	Not regulated.
<b>IMDG:</b>	Not regulated.
<b>IATA:</b>	Not regulated.

## SECTION 15: REGULATORY INFORMATION

<b>U.S. TSCA Inventory:</b>	All components of this product are listed on the TSCA inventory.
<b>California Prop 65:</b>	Not Listed.
<b>SARA Extremely Haz. Sub:</b>	Not listed as such.
<b>SARA Section 313:</b>	Does not contain any 313 ingredients.
<b>CERCLA Haz. Sub.:</b>	No reportable quantity for this product or its components.
<b>RCRA Status:</b>	If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

## SECTION 16: OTHER INFORMATION

This product's safety information is provided to assist our customers in assessing compliance with safety / health / environmental regulations. The information contained within this document is based on data available to us and is believed to be accurate at the time of last revision. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of this product. Whereas the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions must comply with all regulations concerning this product. BioBlend Renewable Resources, LLC ("BioBlend") assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to gross negligence of BioBlend.