

SECTION 1: IDENTIFICATION

Company Information:

BioBlend Renewable Resources, LLC
PO Box 438
Park Ridge, IL 60068
(630) 227-1800
www.bioblend.com

Emergency Contact Information:

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

Product Name	BioBlend PO Aerosol
Product Description	Biodegradable Penetrating Oil Aerosol
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. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.	
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 protective gloves/eye and face protection.	
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%
Isopropyl Alcohol	67-63-0	30-40%
Methyl Ester	PROPRIETARY	20-30%
Green Solvent	PROPRIETARY	5-15%
Carbon Dioxide	124-38-9	1-10%
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, CO ₂ , dry chemical, or alcohol resistant foam.
Unsuitable extinguish-	Do not use a solid water stream as it may scatter and spread fire.

ing media

Specific hazards that may develop

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.

Special firefighting equipment/precautions

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 when

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions

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.

Emergency procedures

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.

Methods and material for containment

Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material and remove any ignition sources. Use only non-sparking tools and ensure adequate ventilation. Notify the proper authorities.

Cleanup procedures

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.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material where this is possible. Cover with plastic sheet to prevent

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

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.

Storage recommendations

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.

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 TWA: 15 mg/m(3) mist, total	TWA: 10 mg/m(3) except irritant oils	TWA: 10 mg/m(3) total mist TWA: 5 mg/m(3) respirable mist

Engineering controls **Use explosion-proof ventilation equipment to stay below exposure limits.**

Recommended Personal Protective Equipment:

Eye/Face Protection **If exposure to airborne mist or splashing is possible, 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. Use of an impervious apron is 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.**

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)
Fire Point	
Evaporation rate	Not available

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

SECTION 10: STABILITY AND REACTIVITY

Reactivity	This product is stable and non-reactive under normal conditions of use, storage, handling and transportation.
Stability	This product is chemically stable under normal conditions of use, storage, handling and transportation.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid contact with incompatible materials and keep product away from open flames, hot surfaces, temperatures exceeding the flash point, and sources of ignition.
Incompatible materials	Strong oxidizing agents.

Hazardous decomposition products

Thermal decomposition leads to formation of acrolein, Carbon monoxide (CO), Carbon dioxide (CO₂), smoke, and fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential health effects:

Inhalation	May cause irritation to the respiratory system.
Eye contact	Causes serious eye damage. Causes mild eye irritation.
Skin contact	Causes skin irritation.
Ingestion	May be harmful if swallowed.

Symptoms or effects, including acute and delayed:

Inhalation	None known or expected under normal use.
Eye Contact	None known or expected under normal use.
Skin Contact	None known or expected under normal use.
Ingestion	None known or expected under normal use.

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
Carcinogenicity	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

Carcinogens

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 contents/container in accordance with all local, regional, state, national

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, PG III LTD. QTY. or LIMITED QUANTITY
TDG (Canada)	Not available
ICAO	UN 1192, COMBUSTIBLE LIQUID, N.O.S., 3, PG III LTD. QTY. or LIMITED QUANTITY
IMDG	UN 1192, COMBUSTIBLE LIQUID, N.O.S., 3, PG III LTD. QTY. or LIMITED QUANTITY
IATA	UN 1192, COMBUSTIBLE LIQUID, N.O.S., 3, PG III 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

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