

**SECTION 1: IDENTIFICATION**

***Company Information:***

BioBlend Renewable Resources, LLC  
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Grundy Center, IA 50638  
319-824-5203  
www.bioblend.com

***Emergency Contact Information:***

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

Product Name	BioGrease PPG 1
Product Description	Biodegradable Plunger Packing Grease No. 1
Product Use	Product is intended for use as an industrial lubricating grease.

**SECTION 2: HAZARD(S) IDENTIFICATION**

Hazard Statement	This chemical is not 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).
Precautionary Statements	Not applicable
Hazard Classification	Not Applicable
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

This product does not contain any hazardous ingredients as defined under 29 CFR 1910.1200.

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	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
First Aid - Eye Contact	Rinse eyes and under eyelids immediately with water for at least 15 minutes.
First Aid - Skin Contact	Wash effected area immediately with soap and water. Remove and wash contaminated clothing before re-use.
First Aid - Ingestion	If swallowed, seek medical attention immediately and show product container or Safety Data Sheet to appropriate individuals. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Recommendations for immediate medical care/special treatment	Physicians should treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media	Dry chemical, CO <sub>2</sub> , water spray or 'alcohol' foam
Unsuitable extinguishing media	None known
Specific hazards that may develop	None known

**Special firefighting equipment/precautions**

Firefighters should use all standard protective gear including a pressure-demand self contained breathing apparatus (MSHA/OSHA approved or equivalent) and full protective gear. Water mist may be used to cool closed containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Ensure adequate ventilation. Do not breathe vapor/dust. Use the appropriate personal protective equipment to avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.

**Emergency procedures**

None Known

**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**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

Provide sufficient air exchange and/or exhaust in work rooms. In the case of insufficient ventilation, wear suitable respiratory equipment. Do not breath spray mist or vapors. Wear recommended personal protective equipment to avoid contact with eyes, skin and clothing and wash thoroughly after handling.

**Storage recommendations**

Store at room temperature in the original container away from incompatible materials and potential sources of ignition.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits**

Contains no exposure limits

**Engineering controls**

Ensure adequate ventilation

***Recommended Personal Protective Equipment:***

**Eye/Face Protection**

Safety glasses with side shields should be worn when handling product.

<b>Respiratory Protection</b>	If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organic vapor/P100 filter should be worn.
<b>Skin/Body Protection</b>	Long sleeved clothing should be worn along with neoprene, latex, nitrile, butyl rubber or polyethylene type gloves.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Amber liquid
<b>Odor</b>	Mild
<b>Odor Threshold</b>	No information available
<b>pH</b>	Not applicable
<b>Melting Point/ Freezing Point</b>	No information available
<b>Initial Boiling Point/ Range</b>	No information available
<b>Flash Point</b>	> 610° F (>320° C)
<b>Fire Point</b>	
<b>Evaporation rate</b>	No information available
<b>Flammability</b>	No information available
<b>Flammability, upper limits</b>	No information available
<b>Flammability, lower limits</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative density</b>	Not information available
<b>Solubility(ies)</b>	No information available

<b>Solubility in water</b>	<b>Insoluble</b>
<b>Partition coefficient: n-octanol/water</b>	<b>No information available</b>
<b>Auto-ignition temperature</b>	<b>No information available</b>
<b>Decomposition temperature</b>	<b>No information available</b>
<b>Viscosity @ 40C, cSt</b>	<b>100 mm<sup>2</sup>/s</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 will not occur.</b>
<b>Conditions to avoid</b>	<b>None known</b>
<b>Incompatible materials</b>	<b>Strong oxidizing agents</b>
<b>Hazardous decomposition products</b>	<b>None under normal use</b>

## SECTION 11: TOXICOLOGICAL INFORMATION

### *Potential health effects:*

<b>Inhalation</b>	<b>May cause irritation of respiratory tract</b>
<b>Eye contact</b>	<b>Contact with eyes may cause irritation</b>
<b>Skin contact</b>	<b>Prolonged contact may cause redness and irritation</b>

**Ingestion**                      **Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.**

***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:**

Sensitization	No information available
Mutagenic effects	No information available
Reproductive Toxicity	No information available
Developmental Toxicity	No information available
Teratogenic	No information available
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Aspiration Hazard	No information available

**NTP Report on Carcinogens**                      **There are no known carcinogenic chemicals in this product.**

**IARC listing of potential carcinogens**                      **Not listed**

**OSHA listing of potential carcinogens**                      **Not listed**

**SECTION 12: ECOLOGICAL INFORMATION**

**OECD 301B Biodegradability**                      **>60%**

<b>Bioaccumulation</b>	<b>Information not available</b>
<b>OECD 201</b> Algae, EC50, 96hr, mg/L	<b>&gt;32,000 PPM</b>
<b>OECD 202</b> Daphnid, EC50, 96hr, mg/L	<b>&gt;26,000 PPM</b>
<b>OECD 203</b> Fathead Minnow, LC50, 96hr, mg/L	<b>&gt;56,000 PPM</b>

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Disposal considerations</b>	<b>Dispose of contents and container in accordance with all international, federal, state, regional and local regulations.</b>
<b>Waste from residues/unused products</b>	<b>Dispose of waste from residues/unused product in accordance with all international, federal, state, regional and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.</b>
	<b>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.</b>
<b>Contaminated packaging</b>	<b>Do not re-use empty containers</b>

## SECTION 14: TRANSPORT INFORMATION

<b>US DOT</b>	<b>Not regulated</b>
<b>TDG (Canada)</b>	<b>Not regulated</b>
<b>ICAO</b>	<b>Not regulated</b>
<b>IMDG</b>	<b>Not regulated</b>
<b>IATA</b>	<b>Not regulated</b>

## SECTION 15: REGULATORY INFORMATION

US TSCA Inventory

This product complies with TSCA inventory.

California Prop. 65

Not listed

SARA Extremely  
Hazardous Sub-  
stances

Not listed

SARA Section 313

Not listed

CERCLA Hazard-  
ous Substances

No reportable quantity for this product or its components

## SECTION 16: OTHER INFORMATION

Revision date

1/1/2023



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