



# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

### *Company Information:*

BioBlend Renewable Resources, LLC  
1500 Jarvis Avenue  
Elk Grove Village, IL 60007  
(630) 227-1800

### *Emergency Contact Information:*

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

Product Name	BioGrease HD 2
Product Description	Biodegradable Heavy Duty Lithium Grease No. 2
Product Use	Product is intended for use as an industrial lubricating grease.

## SECTION 2: HAZARD(S) IDENTIFICATION

### Hazard Statement

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), which has been updated to align with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

May cause an allergic skin reaction



WARNING

### Precautionary Statements

**PREVENTION:** Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

**RESPONSE:** If on skin, wash with soap and water. If irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.

**DISPOSAL:** Dispose of contents/container in accordance with any and all regulations.

<b>Hazard Classification</b>	<b>Skin sensitization - Category 1</b>
<b>Hazards not otherwise classified</b>	<b>None known</b>
<b>Unknown Toxicity Statement</b>	<b>0.656% of the mixture consists of ingredients with unknown toxicity</b>

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<b>Components</b>	<b>CAS No.</b>	<b>Weight %</b>
Sulfurized isobutylene	68511-50-2	1 - 5%
Quinoline Polymer	26780-96-1	1 - 5%
Alkylmercaptothiadiazole	PROPRIETARY	<1%

The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "PROPRIETARY", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### SECTION 4: FIRST AID MEASURES

<b>First Aid - Inhalation</b>	<b>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.</b>
<b>First Aid - Eye Contact</b>	<b>Rinse eyes and under eyelids immediately with water for at least 15 minutes.</b>
<b>First Aid - Skin Contact</b>	<b>Wash effected area immediately with soap and water. Remove and wash contaminated clothing before re-use.</b>
<b>Ingestion</b>	<b>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.</b>
<b>Recommendations for immediate medical care/special treatment</b>	<b>Physicians should treat symptomatically.</b>

## SECTION 5: FIREFIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or 'alcohol' foam
<b>Unsuitable extinguishing media</b>	None known
<b>Specific hazards that may develop when chemical burns</b>	None known
<b>Special firefighting equipment/precautions</b>	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

<b>Personal precautions</b>	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.
<b>Emergency procedures</b>	None Known
<b>Methods and material for containment</b>	Use inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) as directed by manufacturer for containment of spills.
<b>Cleanup procedures</b>	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

<b>Precautions for safe handling</b>	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.
<b>Storage recommendations</b>	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

Components	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
Calcium carbonate	None	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> (TWA) 5 mg/m <sup>3</sup> (TWA)
Mineral oil	5 mg/m <sup>3</sup>	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>

**Engineering controls**      **Ensure adequate ventilation**

### Recommended Personal Protective Equipment:

**Eye/Face Protection**      **Safety glasses with side shields should be worn when handling product.**

**Respiratory Protection**      **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.**

**Skin/Body Protection**      **Long sleeved clothing. Neoprene, latex, nitrile, butyl rubber or polyethylene type gloves.**

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**      **Opaque Amber**

**Odor**      **Characteristic**

**Odor Threshold**      **No information available**

**pH**      **Not applicable**

**Melting Point/  
Freezing Point**      **No information available**

**Initial Boiling Point/  
Range**      **No information available**

**Flash Point**      **>520°F (>270°C)**

**Evaporation rate**      **No information available**

**Flammability**      **No information available**

**Flammability, upper  
limits**      **No information available**

<b>Flammability, lower limits</b>	<b>No information available</b>
<b>Vapor pressure</b>	<b>No information available</b>
<b>Vapor density</b>	<b>No information available</b>
<b>Relative density</b>	<b>Not information available</b>
<b>Solubility(ies)</b>	<b>No information available</b>
<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</b>	<b>220 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>Carbon oxides, oxides of phosphorus, nitrogen oxides, sulphur oxides, smoke</b>

## SECTION 11: TOXICOLOGICAL INFORMATION

### *Potential health effects:*

Inhalation	May cause irritation of respiratory tract
Eye contact	Contact with eyes may cause irritation
Skin contact	Prolonged contact may cause redness and irritation
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	Product contains a component that is classified as a skin sensitizer. No studies have been conducted on the product itself.
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**                      **Not listed**

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

OSHA listing of potential carcinogens

Not listed

## SECTION 12: ECOLOGICAL INFORMATION

Biodegradability, OECD 301B >75%

Bioaccumulation Information not available

OECD 201 Alga, EC50, 72hr, mg/L >22,000

OECD 202 Daphnia, EC50, 48hr, mg/L >12,000

OECD 203 Fish, LC50, 96hr, mg/L >38,000

## SECTION 13: DISPOSAL CONSIDERATIONS

Disposal considerations Dispose of contents and container in accordance with all international, federal, state, regional and local regulations.

Waste from residues/unused products 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.  
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 Do not re-use empty containers

## SECTION 14: TRANSPORT INFORMATION

US DOT Not regulated

<b>TDG (Canada)</b>	<b>Not regulated</b>
<b>ADR</b>	<b>Not regulated</b>
<b>IMDG</b>	<b>Not regulated</b>
<b>IATA</b>	<b>Not regulated</b>

## SECTION 15: REGULATORY INFORMATION

<b>US TSCA Inventory California Prop. 65</b>	<b>This product complies with TSCA inventory. May contain trace amounts of listed chemicals: toluene, benzene, di-n-butyl phthalate</b>
<b>SARA Extremely Hazardous Sub- stances</b>	<b>Not listed</b>
<b>SARA Section 313</b>	<b>Not listed</b>
<b>CERCLA Hazard- ous Substances</b>	<b>No reportable quantity for this product or its components</b>

## SECTION 16: OTHER INFORMATION

<b>Revision date</b>	<b>6_28_2018</b>
----------------------	------------------

**This product's safety information is provided to assist our customers in assessing compliance with safety, health and 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 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 this product. Such conditions must comply with with all regulations concerning this product. BioBlend Renewable Resources, LLC 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 on the part of BioBlend Renewable Resources, LLC.**