



High Performance BioBased Lubricants

MATERIAL SAFETY DATA SHEET

BioBlend BioLube TJC

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Company Identification:
BioBlend Renewable Resources, LLC
2439 Reeves Road
Joliet, IL 60436

Emergency Contact: BioBlend 630-227-1800
Health Emergency: Contact the Local Poison Control Center

Product Name: BioLube TJC

Product Family: BioBlend

Date: 10/28/2011

Health HMIS 0
Flammability HMIS 1
Reactivity HMIS 0
Personal Protection HMIS B

SECTION 2: HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

Ingredients:	CAS#	Weight:
Silica, Crystalline (quartz)	14808-60-7	<1.0%

SECTION 3: HAZARDS IDENTIFICATION

Overexposure (Acute): GENERAL: Low oral and dermal toxicity.

Eye Contact: Irritating to eyes due to mechanical abrasion

Skin Contact: May cause skin irritation.

Inhalation: May cause irritation of respiratory tract.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush eyes with water for 15 minutes. Call physician if irritation develops.

Skin Contact: Remove contaminated clothing. 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 exposure, remove victim to fresh air. Give artificial respiration or oxygen if necessary. Get medical attention if discomfort continues.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: >550°F

Extinguishing Media: Use CO2, 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 >65% biodegradable, non-toxic, and is not expected to have adverse effects on humans or the environment, including fish and wildlife.
- Procedures for Spill:** Shovel up free material for recycle or disposal. Absorb residual liquid with inert material. Dispose of at an appropriate waste disposal facility in accordance with applicable laws and regulations.

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:** Store between 40 and 100 degrees F. Avoid breathing mists and vapors. Keep container closed when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- Protective Equipment:** Impermeable gloves, splash goggles, eye wash and safety shower.
- Respiratory Protection:** Self-contained breathing apparatus if above TLV limit. Provide local exhaust to keep TLV below acceptable limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor:	Opaque semi-solid/ vegetable oil odor	Freezing Point:	Not Determined
Specific Gravity:	Not Determined	Solubility in H₂O, % by Volume:	Insoluble
Boiling Point, 760 mm	>550 F	Volatiles, % by Volume:	Not Determined.
Vapor Pressure:	N/A	Evaporation Rate, Butyl Acetate=1:	Not Determined.

SECTION 10: STABILITY AND REACTIVITY

- Thermal Stability:** Stable under normal storage and handling conditions.
- Materials to Avoid:** Strong oxidizers.
- Hazardous Polymerization:** Will not occur.
- Hazardous Decomposition Products:** In the case of incomplete combustion, will produce oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

- Toxicological Information:** No experimental toxicological data on the product as such are available.

SECTION 12: TRANSPORTATION INFORMATION

- U.S. DOT:** Not regulated by DOT as a hazardous material.

SECTION 13: REGULATORY INFORMATION

- U.S. TSCA Inventory:** All components of this product are listed on the TSCA inventory.
- SARA Extremely Hazardous Sub:** Not listed as such.
- SARA Section 313:** This product possesses the following SARA Hazard Categories - Immediate Health (Acute) - Yes
- CERCLA Hazardous Substances:** No reportable quantity for this product or its components.
- Calif Prop 65:** Not Listed.

RCRA Status:

SECTION 14: OTHER INFORMATION

The information presented herein has been compiled from sources considered to be reliable and is accurate to the best of BioBlend's knowledge; however, BioBlend makes no warranty whatsoever, expressed or implied, of merchantability or of fitness for a particular purpose, regarding the accuracy of such data or the results to be obtained from the use thereof. BioBlend assumes no responsibility for injury to recipient or to third persons or for any damage to property; recipient assumes all such risks.