

SECTION 1: IDENTIFICATION

Company Information:

BioBlend Renewable Resources, LLC.
311 B Ave
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	TruGear FG 460
Product Description	Food Grade Extreme Pressure Gear Oil
Product Use	Product is intended for use as an industrial lubricant.

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	Oil soaked materials (rags, steel wool, clothing, etc.) should be placed in a sealed metal container to prevent spontaneous combustion (fire). The product contains no substances at their given concentration, that are considered hazardous to one's health.
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

Components	CAS No.	Weight %
White Mineral Oil	8042-47-5	80-100%
Performance Package	MIXTURE	1-10%
Viscosity Modifier	PROPRIETARY	1-10%

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 and seek medical advice/attention if irritation develops. Artificial respiration and/or oxygen may be necessary.

First Aid - Eye Contact Thoroughly rinse eyes and under eyelids with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Seek medical advice/attention if irritation develops.

First Aid - Skin Contact Wash effected area immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Seek medical advice/attention if irritation develops.

First Aid - Ingestion Rinse mouth with water. Do not induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice/attention.

Recommendations for immediate medical care/special treatment Physicians should treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards that may develop when chemical burns	Cool closed containers exposed to fire with water spray.
Special firefighting equipment/precautions	Firefighters should use all standard protective equipment to fight fire. Empty containers contain residue and/or vapors; do not weld, cut, pressurize, braze, solder, drill, grind or expose to heat, spark or flame.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment and ensure adequate ventilation. Material can create slippery conditions.
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	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.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Ensure adequate ventilation to prevent inhalation of vapor/dust or wear suitable respiratory equipment. Keep away from heat and sources of ignition. Avoid contact with skin, eyes and clothing. Do not smoke, eat or drink in application area.
Storage recommendations	Store in a dry, cool, well-ventilated area in original container. Carefully reseal opened containers and store upright to prevent leakage. To maintain product quality, do not store in heat or direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	Contains no substances with occupational exposure limit values.
Engineering controls	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
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	In case of mist, spray or aerosol exposure, wear suitable personal respiratory protection.
Skin/Body Protection	Oil resistant gloves are 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	>505° F (>260° C)
Evaporation rate	Not available
Flammability	Low fire hazard. This material must be heated before ignition will occur.
Flammability, upper limits	Not available
Flammability, lower limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility(ies)	Not available
Solubility in water	Insoluble
Partition coefficient: n-octanol/water	Not available
Auto-ignition tempera- ture	Not available
Decomposition temp-	Not available

erature

Viscosity @ 40°C, cSt 460

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	Not available
Incompatible materials	Reactive with oxidizing agents.
Hazardous decomposition products	May release COx, smoke and irritating vapors when heated to decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential health effects:

Inhalation	Health injuries are not known or expected under normal use. Excessive inhalation of mist may result in respiratory irritation.
Eye contact	Not expected to pose health issues for the eye.
Skin contact	Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use.
Ingestion	Health injuries are not known or expected under normal use. Overexposure may cause gastrointestinal disturbance.

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:

Information on toxicological effects:	
Acute Toxicity	Based on available data, no evidence of acute toxicity.
Skin corrosion/irritation	Based on available data, not, or only mildly irritating.
Serious eye damage/irritation	Based on available data, not, or only mildly irritating.
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT - single exposure	No data available
STOT - repeated exposure	No data available
Aspiration hazard	No data available

NTP Report on Carcinogens

This product is not considered to be a carcinogen by NTP.

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

Biodegradability, OECD 301B Not available

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

Dispose of contents/container in accordance with all local, regional, state, national and international regulations.

Waste from residues/ unused products	Do not allow product to enter drains, water or soil. Classify and label waste before disposal at a licensed waste management company. Dispose of in accordance with all local, regional, state, national and international regulations.
Contaminated packaging	Empty containers may contain residue and should not be reused. They should be decontaminated and taken for local recycling, recovery or waste disposal.

SECTION 14: TRANSPORT INFORMATION

US DOT	Not regulated by the US DOT as a hazardous material
TDG (Canada)	Not regulated by the Canadian TDG as a hazardous material
ADR	Not regulated
IMDG	Not regulated
IATA	Not regulated

SECTION 15: REGULATORY INFORMATION

US TSCA Inventory	All components of this product are either listed on the TSCA Inventory or are in compliance with the TSCA Inventory.
California Prop. 65	Not listed
SARA Extremely Hazardous Sub- stances	Not listed as such
SARA Section 313	Does not contain any 313 ingredients
CERCLA Hazard- ous Substances	No reportable quantity for this product or its components

SECTION 16: OTHER INFORMATION

Revision date

1/1/2023



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.