

SECTION 1: IDENTIFICATION

Company Information:

BioBlend Renewable Resources, LLC
1500 Jarvis Ave.
Elk Grove Village, IL 60007
(630) 227-1800
www.bioblend.com

Emergency Contact Information:

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

Product Name	TruGrease FG AP 2
Product Description	All-Purpose Heavy-Duty Food Grade Grease
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).

**Causes serious eye irritation.
May cause an allergic skin reaction.**



WARNING

Precautionary Statements

PREVENTION: Wear protective gloves. Wear eye or face protection. Avoid breathing dust. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation

persists: Get medical attention.

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

Hazard Classification	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1
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	40-70%
Benzene, mono-C10-13-alkyl derivs.	148520-84-7	10-30%
calcium dodecylbenzenesulphonate	26264-06-2	1-5%
diboron calcium tetraoxide	13701-64-9	1-5%

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	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
First Aid - Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
First Aid - Skin Contact	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.
Recommendations for immediate medical care/special treatment	Physicians should treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known.
Specific hazards that may develop when chemical burns	No specific fire or explosion hazard.
Special firefighting equipment/precautions	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid high pressure washing or generation of aerosols. 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	Move containers from spill area. Avoid dust generation. Prevent entry into sewers, water courses, basements or confined areas. Do not dry sweep.
Cleanup procedures	Approach release from upwind. Do not dry sweep. Avoid dust generation. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Protective measures Put on appropriate personal protective equipment. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage recommendations

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
White Mineral Oil	TWA: 5mg/m(3), 8 hours, inhalable fraction	TWA: 5 mg/m(3) mist,	STEL: 10 mg/m ³ 15 minutes, mist TWA: 5 mg/m(3) 10 hours, mist

Engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Recommended Personal Protective Equipment:

Eye/Face Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Respiratory Protection

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Skin/Body Protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of

several substances, the protection time of the gloves cannot be accurately estimated.

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Tan Solid
Odor	Mild petroleum oil
Odor Threshold	Not available
pH	Not applicable
Melting Point/ Freezing Point	Not available
Initial Boiling Point/ Range	Not available
Flash Point	Not available
Evaporation rate	Not available
Flammability	Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Flammability, upper limits	Not available
Flammability, lower limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.96 g/cm ³
Solubility(ies)	Not available
Solubility in water	Insoluble in cold water

Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity @ 40C	90 to 150 cSt

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	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No specific data
Incompatible materials	No specific data
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential health effects:

Inhalation	No known significant effects or critical hazards
Eye contact	Causes serious eye irritation
Skin contact	May cause an allergic skin reaction
Ingestion	No known significant effects or critical hazards

Symptoms or effects, including acute and delayed:

Inhalation **No specific data**

Eye Contact **Adverse effects may include pain, irritation, watering, and/or redness**

Skin Contact **Adverse effects may include irritation and/or redness**

Ingestion **No specific data**

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	White mineral oil - Aspiration Hazard - Category 1

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 consider-
ations

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

Waste from residues/
unused products

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

California Prop. 65	TSCA 8(a) CDR Exempt/Partial exemption: Not determined
SARA Extremely Hazardous Substances	United States inventory (TSCA 8b): All components are listed or exempted. Clean Water Act 311: calcium dodecylbenzenesulphonate Not listed
	Not listed as such

SARA Section 313	Does not contain any 313 ingredients
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CERCLA Hazardous Substances	No information available
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SECTION 16: OTHER INFORMATION

Revision date	6/28/2018
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