

Section 1: Identification

Company Information


BioBlend Renewable Resources, LLC.
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Emergency Contact Information

888.246.2563
8:00 AM – 4:00 PM Monday - Friday

Product Name	BioBlend ES RDP 220
Product Code	BBESRDP 220
Product Description	Rock Drill Oil
Product Use	Industrial Lubricant

Section 2: Hazard(s) Identification

Hazard Statement	WARNING: This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
Precautionary/Prevention Statements	RESPONSE: Wash face, hands and any exposed skin thoroughly after handling. If skin irritation or rash occurs, seek medical attention. Contaminated work clothing must not be allowed to leave the workplace. PRECAUTIONARY: Wear protective gloves, protective clothing, eye protection, and face protection when handling product. Avoid breathing vapors. Wash contaminated clothing before reuse. STORAGE: Keep Container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat and all sources of ignition. Store locked up and only in approved containers. Keep away from any incompatible material. Keep out of reach of children. Protect container(s) against physical damage. DISPOSAL: Dispose of contents and container in accordance with all local, state, national and international regulations.
Hazard Classification	SKIN IRRITATION – Category 2 SKIN SENSITIZATION – Category 1B Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity – 1-4%
Hazard Pictogram(s)	
Signal word	Warning
Hazard statements	Causes skin irritation – May cause an allergic reaction
Hazards not Otherwise Classified	None known
Unknown Toxicity Statement	Not applicable

Section 3: Composition / Information on Ingredients

Components	CAS No.	Weight %
Residual Oils (Petroleum), Hydrotreated	64742-57-0	65-75
Mixture	Proprietary	25-35

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

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.
Eye Contact	Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.
Skin Contact	Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.
Ingestion	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.
Recommendations for Immediate Medical Care / Special Treatment	Physicians should treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

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	In a fire or if heated, a pressure increase will occur and the container may burst
Special Firefighting Equipment / Precautions	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. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures

Personal Precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Emergency Procedures	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
Methods / Material for Containment / Cleanup Procedures	<p>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p> <p>Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.</p>

Section 7: Handling and Storage

Precautions for Safe Handling	<p>Put on appropriate personal protective equipment (see Section 8). 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. Avoid breathing vapor or mist. 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.</p> <p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p>
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. See Section 10 for incompatible materials before handling or use.

Section 8: Exposure Controls / Personal Protection

Exposure Limits

Proprietary additive	ACGIH TLV (United States, 6/2013). Notes: as Mo TWA: 0.5 mg/m ³ , (as Mo) 8 hours. Form: Respirable fraction OSHA PEL 1989 (United States, 3/1989). Notes: as Mo TWA: 5 mg/m ³ , (as Mo) 8 hours. Form: Soluble OSHA PEL (United States, 2/2013). Notes: as Mo TWA: 5 mg/m ³ , (as Mo) 8 hours.
Petroleum process oil, ,3.0% DMSO extractable material	ACGIH TLV (United States, 6/2013). TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction
Proprietary Ingredient	OSHA PEL US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) TWA: 5 mg/m ³ , 8 hours. Form: Mist ACGIH TLV (United States, 6/2013). TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction
Residual Oils (Petroleum), Hydrotreated (CAS 64742-57-0)	OSHA PEL US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) TWA: 5 mg/m ³ , 8 hours. Form: Mist ACGIH TLV (United States, 6/2013). TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction

Engineering Controls

Recommended Personal Protective Equipment:

Eye / Face Protection	Goggles/face shield are recommended.
Respiratory Protection	Under normal conditions, respirator is not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Skin / Body Protection	Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

Appearance	Clear & Bright
Odor	Mild petroleum odor
Odor Threshold	Not available
pH	Not applicable
Melting Point / Freezing Point	No Information Available

Flash Point	>= 550°F (>= 287.2°C) Cleveland Open Cup ASTM 92/ ISO 2592
Evaporation Rate	Not available
Flammability	
Flammability Upper Limits	Not available
Flammability Lower Limits	Not available
Vapor Pressure	Not available
Vapor Density	>5
Relative Density	0.92 (60°F (15.56°C) ASTM D4052)
Solubility(ies)	
Solubility in Water	Insoluble
Partition Coefficient n-octanol / water	Not established
Auto-Ignition Temperature	>550°F (>287.8°C) ASTM E659
Decomposition Temperature	Not available
Viscosity @ 40°C, cSt	220

Section 10: Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Stability	Stable
Possibility of Hazardous Reactions	Hazardous polymerization does not occur
Conditions to Avoid	Heat, flames and sparks. Avoid temperatures exceeding the flash point.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Section 11: Toxicological Information

Potential Health Effects:

Inhalation	May be harmful if inhaled. However, this product does not currently meet the criteria for classification.
Eye Contact	May be irritating to eyes.
Skin Contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Ingestion May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.

Symptoms or Effects Including Acute and Delayed:

Inhalation No specific data

Eye Contact Pain or irritation, watering, redness

Skin Contact Irritation, redness

Ingestion No specific data

Toxicological Effects:

General	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Acute toxicity	No known significant effects or critical hazards.
Skin Corrosion / Irritation	Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.
Serious Eye Damage / Irritation	No known significant effects or critical hazards.
Respiratory Sensitization	No known significant effects or critical hazards.
Skin Sensitization	No known significant effects or critical hazards.
Germ Cell Mutagenicity	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Reproductive Toxicity	No known significant effects or critical hazards.
Aspiration Hazard	No known significant effects or critical hazards.

NTP – Report on Carcinogens Not classified

IARC Listings of Potential Carcinogens Not classified

OSHA Listings of Potential Carcinogens Not classified

Section 12: Ecological Information

OECD 301-B Biodegradability Not readily biodegradable

Bioaccumulation Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

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 Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used

container. Dispose of empty containers in accordance with all Local, State and Federal regulations.

Section 14: Transport Information

US DOT	Not regulated
TDG (Canada)	Not regulated
ICAO	Not regulated
IMDG	Not regulated
IATA	Not regulated

Section 15: Regulatory Information

US TSCA Inventory	Not determined
California Prop. 65	None of the components are listed
SARA Extremely Hazardous Substances	None of the components are listed
SARA Section 313	Skin Irritation Category 2, skin sensitization category 1
CERCLA Hazardous Substances	Not listed

Section 16: Other Information

Revision Date 8/15/2024

NFPA Symbol



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