

### DESCRIPTION

Biogrease Natural DR is a readily biodegradable deep hole drill rod grease formulated from natural ester base oils and a proprietary thickener. This product contains no petroleum, is 100% biobased, and is designed to provide superior lubrication of drill rods in coring operations.

Available in NLGI grade 3.

### FEATURES & BENEFITS

- Superior adhesion to drill rods due to extremely tacky formulation
- Product is PFAS free
- Better coefficient of friction than most petroleum-based grease
- Performs excellent in wet environments
- Formulated to be applied on wet or dry surfaces
- Higher flash point than major petroleum greases for increased safety
- Effective at depths greater than 3000 feet
- Classified as an Environmentally Acceptable Lubricant (EAL)

### SUITABLE USES

Any drilling or coring application (geotechnical, oil & gas, mining, etc.) utilizing equipment with a need for a special purpose drill rod grease, especially systems where a release into the environment is possible or where a leak or spill could reach a waste stream.

### APPLICATION / TECHNICAL SUPPORT

- Follow recommendations provided in the original equipment owner's manual
- Follow your organization's best practices for preparation, cleaning, conversion, application, and ongoing maintenance practices
- **Technical Support** - If you have further questions, please fill out contact form on [bioblend.com](https://bioblend.com) and one of our team will contact you to review your question(s)

### APPROVALS / CERTIFICATIONS

- eSyn Certified
- Classified as environmentally acceptable lubricants (EAL's) as per EPA standards for biodegradability, toxicity and bioaccumulation in aquatic environments.
- Exempt from REACH

### PACKAGE SIZES

- 35 Lb Pail
- 400 Lb Drum

### STORAGE

**Storage** - Keep in a cool, dry and well-ventilated place. Store in a properly labelled, original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. To help maintain product quality, do not store in heat or direct sunlight.

### CAUTIONS

Ensure adequate ventilation. Do not breathe vapor/dust. Use personal protective equipment and avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. See the safety data sheet (SDS) for emergency, proper handling, and disposal information.

### AVAILABILITY

Worldwide

## TYPICAL PROPERTIES

Technical Properties	ASTM Test Method	Natural DR
Product Code		BGNATDR
NLGI Grade		3
Appearance		Golden Brown
Thickener Type		Proprietary
Base Oil Viscosity @40°C, cSt	ASTM D445	2500
Base Oil Flash Point °F (°C)	ASTM D92	619 (326 )
Performance Properties		
Cone Penetration, Unworked	D217	220-250
Four Ball Wear Scar, mm	D2266	>0.45
Four Ball Wear Load, kg	D2596	>500
Dropping Point, °C	D225	>300
Oil Separation, %	D6184	<5
Readily Biodegradable (meaning>60%)		Pass
Biodegradability, %	OECD 301B	> 60
Aquatic Toxicity ( <i>daphnia magna</i> ) (EC 50), 48 hr	OECD 202	Non-Toxic
Base Oil Terrestrial Plant Toxicity	OECD 208	Non-Toxic
Not Bioaccumulative (Calculated value as per EPA standard)		Pass

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## ASSOCIATED LOGOS

