

# HonuBio RDP

(Biodegradable Rock Drill / Hammer Oil)



Next Generation Sustainable Lubrication Technologies

## PRODUCT NAME

**HonuBio RDP**  
(Biodegradable Rock Drill / Hammer Oil)

## MANUFACTURER

Honu Eco Sustainable Solutions, Inc.  
200 Mayfly Way  
Simpsonville, South Carolina 29680

## DESCRIPTION

**HonuBio RDP** is a readily biodegradable, heavy-duty rock drill lubricant designed to meet the requirements of pneumatic tools, down-hole and surface drilling equipment. It is formulated with high viscosity index natural ester base oil, anti-wear additives, and corrosion protection. The high viscosity index provides superior lubrication in a working hammer.

**HonuBio RDP's** natural polarity and tackiness allows the lubricant to adhere to tooling surfaces further reducing corrosion and wear in the presence of compressed air.

## FEATURES AND BENEFITS

- High viscosity index to help maintain resistance to flow at higher operational temperatures
- Powerful polarity (or stickiness) to the tool surface protecting against wear and corrosion
- Strong anti-wear additives to protect the equipment
- Five ISO grades to keep you operational in a large temperature range
- Foam resistant

## SUITABLE USES

- Pneumatic "hammer" equipment such as rock drills, jackhammers, and pavement breakers
- Chipping hammers, demolition hammers and drifters used in mining
- Enclosed industrial gearboxes where leakage is a problem and oil must be continually added
- Pile drivers
- Riveters
- Oil and gas drilling
- Water well drilling
- Geotechnical drilling
- Geothermal drilling
- Mining drills

## COMPATABILITY

- Compatibility for intended equipment
- Lubricant compatible with most other types of lubricants (for specific applications and lubricants please contact your Honu Eco representative)
- No known paint compatibility issues

## APPLICATION

- Follow recommendations provided in your equipment's owner's manual
- Follow your organization's manuals and/or best practices for preparation, cleaning, conversion, application and ongoing maintenance practices
- If you have further questions, please contact Honu Eco Tech Services by filling out the contact us form on [honueco.com](http://honueco.com)

## APPROVALS / CERTIFICATIONS

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

## PACKAGING

- 5 Gallon Pails
- 55 Gallon Drums
- 275 Gallon Totes

## STORAGE AND SHELF LIFE

**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. **Shelf Life** - Product shelf life is 24 months from date of packaging. In some cases product can last longer, please contact your Honu Eco representative

## 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. Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

## AVAILABILITY

- Worldwide

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## Typical Properties

Technical Properties	ASTM Test Method	RD 40	RD 100	RD 150	RD 220	RD 320	RD 460
Product Code		HEBRD40	HEBRD100	HEBRD150	HEBRD220	HEBRD320	HEBRD460
ISO Grade		40	100	150	220	320	460
Specific Gravity	D1298	0.91	0.91	0.91	0.92	0.92	0.92
Viscosity D445 @40°C, cSt	D445	40	100	150	220	320	460
Viscosity D445 @100°C, cSt	D445	8.5	18	25	33	45	57
Viscosity Index	D2270	>200	>220	>220	>220	>220	>200
Flash Point °C	D92	316	316	316	316	316	316
Pour Point °C	D97	-21	-18	-18	-18	-18	-18
<b>Performance Properties</b>							
Timken OK Load, lbs	D2509	>60	>60	>60	>60	>60	>60
Falex EP Fail Load	D3233	3500	3500	3500	3500	3500	3500
Copper Corrosion	D4048	1A	1A	1A	1A	1A	1A
Rust Test, A & B	D665	Pass	Pass	Pass	Pass	Pass	Pass
Biodegradability % (meaning>60%)		Pass	Pass	Pass	Pass	Pass	Pass
Biodegradability, %	OECD 301B	>75	>75	>75	>75	>75	>75
Not Bioaccumulative* (*Calculated value as per EPA standard)		Pass	Pass	Pass	Pass	Pass	Pass
Toxicity (meaning LC50> 1000 mg/L)		Pass	Pass	Pass	Pass	Pass	Pass
Tackifier		Yes	Yes	Yes	Yes	Yes	Yes

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