

HonuBio XT ALC 2



Next Generation Sustainable Lubrication Technologies

PRODUCT NAME

HonuBio XT ALC 2 – Biodegradable Aluminum Complex Extra-Tacky Grease, NLGI 2

MANUFACTURER

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

DESCRIPTION

HonuBio XT ALC 2 is a biodegradable, minimally toxic, aluminum complex grease formulated to provide high film strength, withstand high operating temperatures, and maintain excellent stability. HonuBio XT ALC 2 features a high viscosity base oil for high load carrying capabilities. HonuBio XT ALC 2 also has excellent anti-wear, enhanced water washout properties, and high temperature stability. It is designed for heavy-duty use in a variety of industrial, mobile, and marine applications.

FEATURES AND BENEFITS

- Extra tacky formulation
- Excellent anti-wear properties
- Enhanced water washout properties
- High viscosity for high load carrying capabilities
- Ideal for protection from salt spray
- Prevents rust and corrosion

PACKAGING

- 35 lb. Pail
- 120 lb. Kegs
- 400 lb. Drum
- Totes

SUITABLE USES

- This product contains proprietary tackifier additives that make it ideal for dredging, marine, construction - pins, bushings, spud rails and sheave applications
- Any industry (dredging, marine, hydroelectric powered dams, construction, refuse, mining, agriculture, plant operations, etc.) utilizing equipment with a need for an aluminum complex tacky grease, especially in systems where a release into the environment is possible or where a leak or spill could reach a waste stream.

COMPATIBILITY

• Compatibility for Intended Equipment –

- Usage in equipment that needs a general purpose / EP grease with a higher base oil viscosity (220 cSt)

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 for proper testing and confirmation instructions.

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.

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

AVAILABILITY

Worldwide.

TECHNICAL SERVICES

For additional information including the Safety Data Sheet (SDS), Frequently Asked Questions, and Glossary please visit honueco.com.

APPROVALS AND CERTIFICATIONS

Classified as Environmentally Acceptable Lubricants (EAL's) as per the EPA's guidance document that defines standards for Environmentally Acceptable Lubricants (EPA 800-R-11-002) and as required by EPA's 2013 U.S. Vessel General Permit (VGP)

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Typical Properties

Properties	ASTM Test Method	HonuBio XT ALC 2
Product Code		HBXT2
NLGI Grade		2
Base Oil Type		ISO 220
Appearance		Golden Brown
Cone Penetration, Unworked	D217	265-295
Dropping Point °C	D2265	>240
Base Oil Viscosity @40°C, cSt	ASTM D445	220
Base Oil Viscosity @100°C, cSt	ASTM D445	36
Base Oil Viscosity Index (VI)	ASTM D2270	214
Water Washout % @ 79 °C	ASTM D1264	3.35
Oil Separation, %	D6184	<10%
Base Oil Flash Point °C	ASTM D92	326
Base Oil Biodegradability	OECD 301	Pass
Base Oil Aquatic Toxicity	OECD 202	Non-Toxic
Base Oil Plant Toxicity	OECD 208	Non-Toxic

Biobased/Biodegradable/Non-Bio accumulative

Based on evaluation of the base oils and the finished products, Honu Eco biobased products are designed to be biodegradable, aquatically non-toxic, not bioaccumulative and has no impact on plants as determined by known test methods. Nevertheless, the use of all Honu Eco products is subject to the local ordinances and ultimate responsibility for impact remains with user.

The values quoted above are typical of normal production. They do not constitute a specification. Honu Eco makes no representations, guarantees or warranties, expressed or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose, or as to the correctness or sufficiency of data herein presented. All risk and liability regarding use, conditions of use and handling of this product are assumed by the buyer and any user. No agent, representative, or employee of this company is authorized to vary any of the terms of this notice. To continue to provide superior quality, Honu Eco reserves the right to change the composition of its products without notice.