

# Opt-Max Biogrease EP 2

## LITHIUM/CALCIUM THICKENED LUBRICATING GREASE

Opt-Max Biogrease EP 2 is an environmentally acceptable Lithium / Calcium thickened lubricating grease based on fully saturated renewable esters.

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### Product Description

Opt-Max Biogrease EP 2 is a high-performance, biodegradable grease designed for pumps and hydraulic systems. It provides excellent wear protection, corrosion resistance, and stability under extreme temperatures. With superior mechanical stability and water resistance, it ensures long-lasting component life and reduced maintenance, all while being environmentally friendly.

### Features and Benefits

- Good resistance to the washing action of rain and seawater.
- Provides effective corrosion protection to metals commonly found in the marine environment.
- Contains EP additives to reduce wear and friction and has good EP / load carrying capabilities.
- Resistant to oxidation (ASTM D942).
- Compatible with Nitrile and Fluoroelastomers (ASTM D4289)
- Opt-Max Biogrease EP 2 achieves a biodegradability of > 60% in the 28-day OECD 301B test, and is considered nontoxic in the marine environment.

### Applications

- Opt-Max Biogrease EP 2 may be applied manually or by suitable mechanical applicators e.g. grease compressor. The grease has a wide operating temperature with a lower working temperature of -25°C and an upper temperature of +130°C.
- Rudder Stock.
- Propeller gubs and caps.
- Winches.
- Deck equipment.
- General greasing points.

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**Opt-Max Global Pte Ltd**

E-Mail: [Sales@Opt-Max.com](mailto:Sales@Opt-Max.com) • Website: <http://www.Opt-Max.com>

Address: 73 Ubi Road 1 #09-49 Oxley Bizhum , Tel: 65 6285 7833

## Specifications

Product Properties		Opt-Max Biogrease EP 2	Testing Methods
Kinematic Viscosity (40°C)	mm <sup>2</sup> /s	150	ASTM D7042
Consistency		NLGI 2	ASTM D217
Drop Point	°C	178	ASTM D2265
Penetration worked (25°C)	°C	274	ASTM D217
4-ball weld load	Kg	400	ASTM D2596

\* Above product properties are indicative and subject to change without prior notice

## Storage and Handling

- All storage equipment, tanks, pipes, valves and etc. apparatus have to be cleaned thoroughly and inspected to be clean for use before transferring or transporting Opt-Max Biogrease EP 2.
- Opt-Max Biogrease EP2 must be stored in dedicated storage tanks/equipment and it is recommended to be stored in an indoor controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Opt-Max Biogrease EP 2 must be clearly labelled properly during the entire transportation process to prevent the risk of mixing with other petrochemical product.

## Health and Safety

Opt-Max Biogrease EP 2 is unlikely to present any significant health or safety hazard when properly used in the recommended application. These products must always be handled with care, particularly avoiding skin contact. For further guidance on Product Health & Safety refer to the appropriate Opt-Max Biogrease EP 2 Material Safety Data Sheet.

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