



## PRODUCT DESCRIPTION

**LENOL Grease BIO 0** is an Environmentally Acceptable Lubricant (EAL) based on lithium thickener and synthetic ester.

## APPLICATIONS

**LENOL Grease BIO 0** is high quality multipurpose EAL grease for marine applications. The grease is suitable for a wide range of deck and engine applications such as plain and roller bearings as well as central lubricating systems.

## ADVANTAGES

- Good EP properties
- Good protection against corrosion, even in the presence of salt water
- Good water resistance
- Easily pumpable in central lubricating systems
- Suitable for various applications within the specified temperature limits
- Meets DIN 51 502 specifications GLPE 0 K-40

## TECHNICAL DATA

Properties	Test Method	Data	Unit
Thickener	-	Lithium	-
Colour	-	Light brown	-
NLGI Grade	ASTM D 217	0	-
Penetration worked at 25°C (Pw 60)	DIN ISO 2137	360	1/10 mm
Dropping point	IP 396	194	°C
Base oil viscosity at 40°C	ISO 12058	320	mm <sup>2</sup> /s
Flow pressure at -40°C	DIN 51805	600	hPa
Temperature operating range	-	-40-+120	°C

## HANDLING AND PACKAGING

Compatibility and miscibility with comparable products from other suppliers with the same thickener and similar base oils have been tested successfully. Generally, greases made of lithium thickener and mineral oils can be mixed with grease based on the same type of thickener and mineral oil. In addition, they are miscible with some differently based products, e.g. calcium complex greases. However, these are only general guidelines and in order to benefit from full product performance the mixing of lubricants should be avoided. Hence, we recommend replacing old grease fillings where possible.

Re-lubrication shall be done when the condition of the lubricant is still suitable for continued service. When refilling the product, ingress of dust and water must be avoided. The required quantity varies with bearing type, speed, temperature range and other related factors. For details please refer to the manufacturer's manual.

## HEALTH AND SAFETY

The information on this product is available in the Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. The product is not classified as dangerous according to the Regulation 1272/2008 or the Directives D67/548/EEC and 1999/45/EC. When used as intended, this product does not pose significant health risks.

Last Updated: June 2022

This data sheet and the information given are considered to be accurate to the best of our knowledge. The physical and chemical characteristics are typical values and compliant to specification. Variations in these characteristics may occur. No warranty expressed or implied, is given as to the accuracy or completeness of the information or suitability of the products. LENOL shall not be responsible for any damage or injury resulting from abnormal use of the product. The user will be always responsible to evaluate and use products safely and to comply with all applicable laws and regulations.