

# product data

## HYDROX BIO 68

**Description:**

A **Readily Biodegradable** lubricant, based on natural fatty oils.

**Use:**

**Hydrox Bio 68** is designed specifically as a sterntube lubricant. Designed primarily for use where rubber lip type seals and modern circulatory oil feed systems are fitted. Particularly recommended for use where there is the potential for sea water or fresh water to contaminate the lubrication system

**Characteristics:**

Appearance	Pale yellow oil
Viscosity @ 40°C	Approx. 70 cSts
Viscosity Index	> 220
Density @ 15°C	Approx. 0.920 kg / ltr
Pour point	Approx. -24°C
Cloud point	<0°C
Flashpoint	Above 180°C
Shelf life	Expected indefinite in original sealed containers.

**Performance Data:**

1. Designed specifically for sterntube lubrication. Provides a very high standard of lubrication under both the boundary and hydrodynamic lubricating conditions encountered in a sterntube.
2. **Hydrox Bio 68** has been tested by independent laboratories and has been confirmed as being Readily Biodegradable in seawater, as assessed by the test methods **OECD 301B** and **OECD 306**.
3. **Hydrox Bio 68** has been independently tested for environmental toxicity relative to the marine environment. It has been found to be of low toxicity to the organisms listed:

<b>Fish</b>	tested to OECD 203
<b>Daphnia</b>	tested to OECD 202
<b>Shrimp</b>	tested to AFNOR NFT 90-349
<b>Algae</b>	tested to OECD 201
4. **Hydrox Bio 68** has been evaluated for 'water hazard class' using the WGK system, being given a rating of WGK 1.
5. **Hydrox Bio 68** is compatible with the metals commonly used in sterntube systems and provides excellent corrosion protection.
6. The oil will absorb any sea water or fresh water entering the sterntube to form a fluid and stable emulsion and thereby reducing the risk of free water being present in the sterntube. The emulsion itself maintains a very high standard of lubrication and corrosion protection properties.
7. The oil will absorb a very high amount of water, however a maximum of 20% water content is recommended as a guideline, for regular running in the sterntube. Above this water content, it is recommended that some of the emulsion is drained from the system and fresh oil is introduced.
8. **Hydrox Bio 68** can be burned under safe controlled conditions.

**Notes:**

This product should only be used for the applications specified. The supplier cannot accept responsibility if it is used in any other applications.

H.S.T.N.: 340399  
REF: DM12/06B



the quality touch

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