



SAFETY DATA SHEET

HYDROX BIO 68

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Issued: 11/03/2003

Revision No: 3

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: HYDROX BIO 68

Use / description of product: Marine lubricant.

Company name: Benj'n. R Vickers & Sons Ltd.

Airedale Mills

6 Clarence Road

Leeds

West Yorkshire

LS10 1ND

United Kingdom

Tel: +44 (0) 113 386 7654

Fax: +44 (0) 113 386 7676

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: BUTYLATED PHENOL 0.5-1%

EINECS: 204-884-0

[N] R51/53

• PROPRIETRY MATERIAL <0.5%

[Xn] R22; [-] R52

3. HAZARDS IDENTIFICATION

Main hazards: No significant hazard.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Prolonged or repeated contact may cause irritation.

Eye contact: May be irritating to the eyes.

Ingestion: May be harmful by ingestion. Ingestion may cause sickness and vomiting.

Inhalation: Inhalation of oil mist or vapour may cause irritation of the respiratory tract.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with soap and water. Remove contaminated clothing and wash before re-use.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water. Seek medical attention, showing this sheet.

Inhalation: Not anticipated to be a problem under normal conditions of use. In extreme cases, remove from exposure. If patient is feeling ill, seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Dry chemical, CO₂, water fog, foam and sand.

Exposure hazards: Carbon Dioxide and Carbon Monoxide. Partially oxidised organic fragments of the product's ingredients.

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Refer to section 8 of SDS for personal protection details.
- Environmental precautions:** Contain the spillage using bunding. Do not allow the spillage to enter sewers, rivers or open water.
- Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

- Handling requirements:** No special conditions.
- Storage conditions:** Keep container tightly closed. Containers should preferably be stored under cover.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures:** Local exhaust ventilation is recommended when excessive product misting occurs. Care should be taken to keep exposures below applicable occupational exposure limits.
- Hand protection:** Gloves (oil-resistant).
- Eye protection:** Goggles are recommended where the material may be splashed.
- Skin protection:** No specific protective clothing normally required. High standards of industrial and personal hygiene are recommended while using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Yellow
- Solubility in water:** Not miscible
- Viscosity value:** 70 approx.
- Viscosity test method:** cSt @ 40 °C.
- Flash point°C:** Seta >170°C
- Relative density:** 0.92kg/l @ 15°C
- pH:** N/A

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Extreme heat.
- Materials to avoid:** Strong oxidising agents. Strong acids.
- Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Partially oxidised organic fragments of the product's ingredients.

11. TOXICOLOGICAL INFORMATION

- Acute toxicity:** HYDROX BIO 68
ORAL RAT LD50 >2000 mg/kg
- Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

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12. ECOLOGICAL INFORMATION

Ecotoxicity: HYDROX BIO 68

ALGAE - S.CAPRICOR 72H EC50 2700 mg/l

DAPHNIA - DAPHNIA MAGNA 48H EC50 >10 000 mg/l

FISH - BRACHYDANIO RERIO 48H EC50 >10 000 mg/l

SHRIMP - P.Varians LC50- 6H >1000 mg/l

THE PRODUCT IS THEREFORE NOT HARMFUL TO AQUATIC ORGANISMS

Mobility: Insoluble in water. Non-volatile at ambient temperature.

Persistence and degradability: Product is classed as Readily Biodegradable according to OECD 301B.

13. DISPOSAL CONSIDERATIONS

Disposal operations: The product can be burned under controlled conditions or removed by approved waste contractors.

Disposal of packaging: May be reused following decontamination. Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

Labelling: Not classified.

IMDG / IMO

Labelling: Not classified.

IATA / ICAO

Labelling: Not classified.

15. REGULATORY INFORMATION

Hazard symbols: No significant hazard.

Note: The above information is based on current European Directives. The user's attention is drawn to the possible existence of additional (or alternative) local, national or international regulations.

16. OTHER INFORMATION

Other information: Explanation of change(s) in Safety Data Sheet from previous revision: Sections 2 and 16 amended.

Risk phrases used in s.2: R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R22: Harmful if swallowed.

R52: Harmful to aquatic organisms.

Legal disclaimer: The above information is based on the present state of our knowledge of the product and its components at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. Users must satisfy themselves that the product is entirely suitable for their purpose. Detailed formulations are available to medical