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SAFETY DATA SHEET

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**1. Identification of the substance / mixture and of the company / undertaking**

1.1 Product identifier

- Product Name: DEFOAMER

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Sewage treatment

1.3 Details of the supplier of the safety data sheet

Company:

Unimarine Services Inc.  
60 Market Square,  
PO Box 364, Belize City

Contact your nearest Unimarine sales office

Email: [info@unimarine-services.com](mailto:info@unimarine-services.com)

1.4 Emergency Telephone Number

Emergency Telephone: Only to be used in case of incident  
Tel: 00357 96484325

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**2. Hazards identification**

2.1 Classification of the substance or mixture

- Not Classified
- May cause long term adverse effects in the aquatic environment (R53)
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- May cause long lasting harmful effects to aquatic life (H413).
- Aquatic Chronic 4

2.2 Label elements

- Contains:
- Etheralcohol
- Hazard phrases  
May cause long lasting harmful effects to aquatic life (H413).

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## 2. Hazards identification

- Precautionary Phrases  
Avoid release to the environment (P273).

### 2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII
- Appearance: Liquid, dark, pale yellow
- Odour: Characteristic odour

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## 3. Composition / information on ingredients

### 3.1 Mixtures

- Etheralcohol  
Concentration: 60-100%  
CAS Number: 98072-31-2  
EC Number: 308-482-7  
R/H Phrases: R53 - H413  
Symbols: Not applicable  
Categories: Aquatic Chronic 4

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## 4. First aid measures

### 4.1 Description of first aid measures

- Contact with skin:
  - Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
  - Seek medical attention if irritation persists
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- Contact with eyes:
  - If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
  - Seek medical advice
- 
- Ingestion:
  - Never make an unconscious person vomit or drink fluids
  - Do not induce vomiting
  - Give water or milk to drink
  - Seek medical advice
- 
- Inhalation:
  - Inhalation is unlikely to occur
  - Remove patient to fresh air

### 4.2 Most important symptoms and effects, both acute and delayed

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract

### 4.3 Indication of any immediate medical attention and special treatment needed

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## 5. Fire-fighting measures

### 5.1 Extinguishing media

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## 5. Fire-fighting measures

- In case of fire: use foam, carbon dioxide or dry agent for extinction (P370+P378)
- 5.2 Special hazards arising from the substance or mixture
- Keep container(s) exposed to fire cool, by spraying with water
- 5.3 Advice for firefighters
- Avoid release to the environment (P273).
  - Wear Positive-Pressure Breathing Apparatus
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## 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Wear protective clothing as per section 8
  - Spillage causes slippery surface
- 6.2 Environmental Precautions
- Do not allow to enter public sewers and watercourses
  - Avoid release to the environment (P273).
- 6.3 Methods and material for containment and cleaning up
- Absorb spillage in inert material and shovel up
  - Ventilate the area and wash spill site after material pick-up is complete
- 6.4 Reference to other sections
- See Section 13
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## 7. Handling and storage

- 7.1 Precautions for safe handling
- The usual precautions for handling chemicals should be observed
  - Do not get in eyes, on skin, or on clothing (P262).
- 7.2 Conditions for safe storage, including any incompatibilities
- Protect from frost
- 7.3 Specific end use(s)
- Contact supplier for further information
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## 8. Exposure controls / personal protection

- 8.1 Control parameters
- There are no recommended or established controls for this product
- 8.2 Exposure controls
- No special precautions are required for this product
- 8.3 Occupational exposure controls



- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
  - No respiratory protection is required unless subject to contact with substance mist
  - Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
  - Wear suitable respiratory protection. Gas cartridge (organic substances).
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## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Odour: Characteristic odour
- Appearance: Liquid, dark, colourless to yellow, dispersible in water
- Boiling point >100 °C to 760 °C
- Density 0,86 - 0,90 g/cm<sup>3</sup> at 20 deg C
- Viscosity 800 - 1800 mPa.s at 20 deg C

### 9.2 Other information

- No information available
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## 10. Stability and reactivity

### 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

### 10.2 Chemical stability

- Considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

### 10.4 Conditions to avoid

- Keep away from frost

### 10.5 Incompatible materials

- Incompatible with strong oxidizing substances

### 10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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## 11. Toxicological information

### 11.1 Information on toxicological effects

- LD50 (oral, rat) >2000 mg/kg
- LD50 (dermal) : >2000 mg/kg

### 11.2 Contact with eyes

- May cause redness and irritation

### 11.3 Contact with skin

- In cases of severe exposure, redness and irritation may develop

### 11.4 Ingestion

- The ingestion of significant quantities may cause gastro-intestinal disturbances
- Aspiration hazard

### 11.5 Inhalation

- May cause irritation
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## 12. Ecological information

### 12.1 Toxicity

- This product contains components which are classified in the EU as dangerous for the environment.
  - On available data, substance is not harmful to aquatic life
  - LC50 (fish) (Fatty acid ester) >100 mg/l (96 hr)
  - LC50 (fish) (Mineral oil) >100 mg/l (96 hr)
  - LC50 (fish) (Synthetic wax) >100 mg/l (96 hr)
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## 12. Ecological information

- LC50 (fish) (Ether alcohol) >100 mg/l (96 hr)
  - Biodegradability. OECD-test. 28 days 33 % (Ether alcohol)
- 12.2 Persistence and degradability
- Not readily biodegradable
- 12.3 Bioaccumulation Potential
- Bioaccumulation is insignificant
- 12.4 Mobility in soil
- Emulsifies in water
- 12.5 Results of PBT and vPvB assessment
- Not a PBT according to REACH Annex XIII
- 12.6 Other Adverse Effects
- No information available
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## 13. Disposal considerations

- 13.1 Waste treatment methods
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
  - Disposal should be in accordance with local, state or national legislation
- 13.2 Classification
- EU Waste class: 07 06 01
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## 14. Transport information

Not classified as hazardous for transport

### 14.1 UN

- UN No.: Not applicable
- Proper Shipping Name: Not applicable
- Hazard Class: Not applicable
- Packing Group: Not applicable

Not classified as hazardous for transport

### 14.2 Environmental hazards

- Not Classified

### 14.3 Special precautions for user

- Not Classified

### 14.4 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

### 14.5 Road/Rail (ADR/RID)

- ADR UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable

### 14.6 Sea (IMDG)

- IMDG UN No.: Not applicable
  - Proper Shipping Name: Not applicable
  - IMDG Hazard Class: Not applicable
  - IMDG Pack Group.: Not applicable
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## 14. Transport information

- IMDG EmS: Not applicable

### 14.7 Air (ICAO/IATA)

- ICAO UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

### 14.8 DOT / CFR (US Department of Transportation)

- Identification Number: Not applicable
  - DOT Proper Shipping Name: Not applicable
  - DOT Labels: Not applicable
  - Product RQ (lbs): Not applicable
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## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

### 15.2 Chemical Safety Assessment

- None
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## 16. Other information

The information contained herein relates only to the specific material identified. Unimarine Services Inc. Believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Unimarine Services Inc. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.