
SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: BIOGUARD PLUS
- Product Part Number: 778846 (25L PLASTIC DRUM)

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

- Use of the substance/mixture: Seawater Dispersant for Marine Systems

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Wilhelmsen Ships Service AS
- Address of Supplier: Willem Barentszstraat 50, 3165AB Rotterdam, The Netherlands
- Telephone: Telephone: +31 4877 777 Fax: +31 4877 888
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- Head office: Wilhelmsen Ships Service AS
- Strandveien 20, N1324 Lysaker
- Norway, Tel: (47) 6349 440 35
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-
- Other suppliers SEE SECTION 16!!!
- For quotations contact your local Customer Services
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- Responsible Person: Product HSE Manager
- Telephone: +31 10 4877775
- Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

- ****ONLY TO BE USED IN CASE OF AN INCIDENT****
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- International 24hrs Emergency NCEC: +44 1865 407333
- American 24hrs Emergency CHEMTREC (800) 424 9300
- American Chemistry Council 24hrs +1 703 527 3887
- Greece: Poisoning emergency center, +30 210 7793777
- Norway: Poison information centre, +47 22591300
- Sweden: Poison information centre, +46 08 33 12 31
- China NRCC 24hrs emergency telephone number: +86-0532-8388 9090
- Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Symbols: C, N
- Causes severe burns (R35)
- Harmful: danger of serious damage to health by prolonged exposure if swallowed (R48/22)
- Very toxic to aquatic organisms (R50)
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SECTION 2 Hazards identification (....)

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Harmful if swallowed (H302).
- Causes severe skin burns and eye damage (H314).
- May cause damage to organs through prolonged or repeated exposure (H373).
- Very toxic to aquatic life with long lasting effects (H410).
- Symbols: GHS07, GHS05
- Signal Word: Danger
- Acute Tox. 4
- Skin Corr. 1B
- STOT RE 2
- Aquatic Chronic 1

2.2 Label elements

- Signal Word: Danger
-
- Contains:
- Dodecyl dipropylenetriamine
-
- Hazard phrases
 - Causes severe skin burns and eye damage (H314).
 - Harmful if swallowed (H302).
 - May cause damage to organs through prolonged or repeated exposure (H373).
 - Very toxic to aquatic life with long lasting effects (H410).
-
- Precautionary Phrases
 - Do not breathe dust/fume/gas/mist/vapours/spray (P260).
 - Avoid release to the environment (P273).
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - Immediately call a POISON CENTER or doctor/physician (P310).
 - If eye irritation persists: Get medical advice/attention (P337+P313).
 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353).
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
 - Dispose of contents/container to an authorised waste collection point (P501)

2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII
- Odour: Ammonia odour
- Appearance: Liquid, light, yellow, miscible with water

SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- Dodecyl dipropylenetriamine
 - Concentration: 30-40%
 - CAS Number: 2372-82-9

SECTION 3 Composition/information on ingredients (....)

EC Number: 219-145-8

Symbols: C, N - GHS05, GHS09, GHS08, GHS07

R/H Phrases: R22, R34, R50 - H302, H314, H373, H410

Categories: Acute Tox. 4, Skin Corr. 1B, STOT RE 2, Aquatic Chronic 1

SECTION 4 First aid measures**4.1 Description of first aid measures**

- Contact with eyes: If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes, Irrigate eyes thoroughly whilst lifting eyelids, Get immediate medical advice/attention (P315).
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- Contact with skin: IF ON SKIN: Wash with plenty of soap and water (P302+P352)., When in doubt or symptoms persist, seek medical attention
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- Ingestion: Rinse mouth with water (only if the person is conscious), Do NOT induce vomiting (P331)., Give plenty of water to drink
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- Inhalation: Remove patient to fresh air
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4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes and skin
- May cause gastro-intestinal disturbances

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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SECTION 5 Fire-fighting measures**5.1 Extinguishing media**

- In case of fire: use foam, carbon dioxide or dry agent for extinction (P370+P378)
- Keep container(s) exposed to fire cool, by spraying with water

5.2 Special hazards arising from the substance or mixture

- In case of fire: (P370)
- Carbon oxides may be formed
- Nitrogen oxides may be formed

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus
-

SECTION 6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up
- Place in sealable container
- Seal containers and label them
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

SECTION 6 Accidental release measures (....)

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Wear protective clothing as per section 8
- Do not get in eyes, on skin, or on clothing (P262).
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Store in a dry place. Store in a closed container (P402+P404).
- Store in a well-ventilated place (P403).
- Protect from frost

7.3 Specific end use(s)

- Contact supplier for further information
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SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- No exposure limits have been set for this substance

8.2 Exposure controls

- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists

8.3 Occupational exposure controls



- Eyewash bottles should be available
 - Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)
 - Wear suitable protective clothing, including eye/face protection and gloves (rubber are recommended)
 - Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - No respiratory protection is required unless subject to contact with substance mist
 - Wear suitable respiratory protection. Gas cartridge (organic substances).
 - Use good personal hygiene practices
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Ammonia odour
- Appearance: Liquid, light, yellow, miscible with water
- pH >7
- Density: Density 0,97 g/cm³ at 20 deg C
- Boiling point >100 °C
- Specific gravity (water=1) N/A
- Flash point >100 deg C (CC)
- Log Pow -0,66

9.2 Other information

SECTION 9 Physical and chemical properties (....)

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.3 Incompatible materials

- Avoid contact with metals

10.4 Conditions to avoid

- Avoid overheating

10.5 Hazardous Decomposition Products

- No hazardous decomposition products known
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50. Oral. Rat. > > 50-300 µg/kg (Dodecyl dipropylenetriamine)
- LD50 (oral, rat)
- LD50 (skin, rat)

11.2 Contact with eyes

- Prolonged skin or eye contact may cause chemical burns

11.3 Contact with skin

- Prolonged skin or eye contact may cause chemical burns

11.4 Ingestion

- By comparison with analogous substances, it is concluded that it will be harmful
- May cause gastro-intestinal disturbances

11.5 Inhalation

- In cases of severe exposure, irritation may develop
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SECTION 12 Ecological information

12.1 Toxicity

- EC50 (Daphnia magna) (Dodecyl dipropylenetriamine) >0,01-0,1 mg/l (48 hr)
- LC50 (fish) (Dodecyl dipropylenetriamine) 0,1-1 mg/l (96 hr)
- IC50 (algae) (Dodecyl dipropylenetriamine) 0,001-0,01 mg/l (72 hr)

12.2 Persistence and degradability

- The components in this product are readily biodegradable.

12.3 Bioaccumulation Potential

- Not applicable
- Log Pow n/a

12.4 Mobility in soil

- miscible with 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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SECTION 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
 - This material and/or its container must be disposed of as hazardous waste
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SECTION 14 Transport information

14.1 UN

- UN No.: UN2735
- Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (Dodecyl dipropylene triamine)
- Hazard Class: 8
- Packing Group: II

14.2 Environmental hazards

- Not applicable

14.3 Special precautions for user

- No special precautions are required for this product

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.: UN2735
- Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (Dodecyl dipropylene triamine)
- ADR Hazard Class: 8
- ADR subrisk: -
- ADR Packing Group: II
- ADR Flashpoint: -

14.6 Sea (IMDG)

- IMDG UN No.: UN2735
- Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (Dodecyl dipropylene triamine)
- IMDG Hazard Class: 8
- IMDG subrisk: -
- IMDG Pack Group: II
- IMDG EmS: F-A, S-B
- IMDG Flashpoint: -

14.7 Air (ICAO/IATA)

- ICAO UN No.: UN2735
- Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (Dodecyl dipropylene triamine)
- ICAO Packing Group: II
- ICAO Hazard Class: 8
- ICAO subrisk: -

SECTION 14 Transport information (....)

- ICAO Flashpoint: -
 - 14.8 DOT / CFR (US Department of Transportation)
 - Identification Number: UN2735
 - DOT Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (Dodecyl dipropylene triamine)
 - DOT Labels: 8
 - Product RQ (lbs): Not applicable
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SECTION 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.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Norwegian Productregistration no: N/A

15.2 Chemical Safety Assessment

- None
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H373: May cause damage to organs through prolonged or repeated exposure. H410: Very toxic to aquatic life with long lasting effects. R22: Harmful if swallowed. R34: Causes burns. R50: Very toxic to aquatic organisms.

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

Wilhelmsen Ships Service Level 17, 636 St Kilda Road Melbourne Vic 3004 AUSTRALIA
Tel: +61 3 9630 0900 Emergency 24hrs: +61 3 9630 0998

Wilhelmsen Ships Service INC 210 Edgewater Street US-10305 Staten Island New York United States
Telephone daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

Wilhelmsen Ships Service INC 2200 W. Pacific Coast Highway US-90810 Long Beach California, United States
Tel (+1) 562 624 8888 Fax (+1) 562 624 1011

Wilhelmsen Ships Service INC 701 Ashland Ave. Ashland Center Two, Bay 12 US- 19032 Folcroft

SECTION 16 Other information (....)

Pennsylvania United States Tel (+1) 610 586 7801 Fax (+1) 215 701 0646

Wilhelmsen Ships Service INC. 9400 New Century Drive US-77507 Pasadena Texas United States
Telephone daytime: (+1) 281 867 2000 Fax: (+1) 281 867 2800

Wilhelmsen Ships Service Ltd. Unit 3A NewtonsCourt Crossways DA2 6QL Dartford, Kent United Kingdom
Tel (+44) 1322 282 412 Fax (+44) 1322 284 774

Wilhelmsen Ships Service Ltda Rua Bispo Lacerda nos.61/67 Del Catilho BR 21051120 Rio de Janeiro Brazil Tel (+55) 21 25 82 8000 Fax (+55) 21 25 82 8001

Wilhelmsen Ships Service (S) Pte Ltd 186 Pandan Loop Singapore 128376 Tel (+65) 6395 4545

Wilhelmsen Ships Service Co., Ltd 12-31 Torihama-cho Kanazawa-ku Yokohama-shi JP-236 0002, Japan Tel (+81) 45 775 0012 Fax (+81) 45 775 0070

Wilhelmsen Ships Service Hellas SA 100, D. Moutsopoulou & Serifou str GR-185 41 Piraeus Greece
Tel (+ 30) 210 4239100 Fax (+ 30) 210 4212480

Wilhelmsen Ships Service AS U.A.E . Fl 24 Executive Heights, Tecom C Sheikh Zayed Road (East) Dubai United Arab Emirates Tel (+971) 4 382 3888

Wilhelmsen Ships Service AS, Willem Barentszstraat 50 3165 AB Rotterdam-Albrandswaard, the Netherlands. Tel (+31) 10 4877 777

