
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: GAMAZYME BTC
- Product Part Number: 589945-r (12x1L)

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

- Use of the substance/mixture: Cleaning agent

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: +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
-
- Other suppliers SEE SECTION 16!!!
- For quotations contact your local Customer Services
-
- Responsible Person: Product HSE Manager,
- Email: Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Telephone: Tel.: +31 10 4877775

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 Chemistry Council 24hrs +1 703 527 3887
- American 24hrs Emergency CHEMTREC (800) 424 9300
- 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)
- Not Classified
-
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

SECTION 2 Hazards identification (....)

- Symbols: GHS05
- Signal Word: Danger
- Eye Dam. 1
- Causes serious eye damage (H318).

2.2 Label elements

- Signal Word: Danger
- Eye Dam. 1
-
- Contains:
 - Viable bacterial cultures
 - Fatty alcohol alkoxyate
 - Primary C9-C11 alcoholethoxyate
 -
- Hazard phrases
 - Causes serious eye damage (H318).
- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
 - Call a POISON CENTER or doctor/physician if you feel unwell (P312).

2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII
- Appearance: Liquid, green, soluble in water
- Odour: Characteristic odour

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

- Viable bacterial cultures
 - Concentration: 5-10%
 - CAS Number: Not applicable
 - EC Number: Not applicable
 - R/H Phrases: Not applicable
 - Symbols: Not applicable
 - Categories: Not applicable
- Fatty alcohol alkoxyate
 - Concentration: 1-5%
 - CAS Number: Not applicable
 - EC Number: Not applicable
 - R/H Phrases: R36/38 - H318, H315

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

Symbols: Xi, GHS05

Categories: Eye Dam. 1, Skin Irrit. 2

REACH REG. NO: 02-21195525 54-37-0000

- Primary C9-C11 alcoholethoxylate
 - Concentration: 1-5%
 - CAS Number: 68439-46-3
 - EC Number: Not applicable
 - R/H Phrases: R38, R41 - H318, H315
 - Symbols: Xi, GHS05
 - Categories: Eye Dam. 1, Skin Irrit. 2
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SECTION 4 First aid measures

4.1 Description of first aid measures

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- If eye irritation persists: Get medical advice/attention (P337+P313).
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- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
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- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink

4.2 Most important symptoms and effects, both acute and delayed

- Severely irritating to eyes

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

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- Not applicable

5.3 Advice for firefighters

- Wear Positive-Pressure Breathing Apparatus
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- No special precautions are required for this product

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
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SECTION 6 Accidental release measures (....)

6.3 Methods and material for containment and cleaning up

- Absorb spillage in suitable inert material
- Flush spill area with copious amounts of water

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- The usual precautions for handling chemicals should be observed
- No special precautions are required for this product

7.2 Conditions for safe storage, including any incompatibilities

- Store in a dry place (P402).
- Store in a well-ventilated place. Keep container tightly closed (P403+P233).

7.3 Specific end use(s)

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

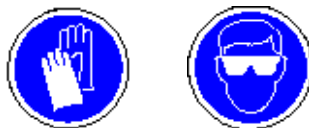
8.1 Control parameters

- 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 plastic or rubber gloves
 - No respiratory protection is required unless subject to contact with substance mist
 - Wear goggles giving complete eye protection
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Characteristic odour
- Appearance: Liquid, green, soluble in water
- pH 8 - 9,5 at 100 % concentration
- Boiling point 100 °C
- Vapour pressure - not known
- Density: Density 1.00 g/cm³ at 20 deg C

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

SECTION 10 Stability and reactivity (....)

- This article is considered stable under normal conditions

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

- No special requirements

10.5 Incompatible materials

- Incompatible with acids and alkalis

10.6 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) (Alcohol ethoxylate) 300-2000 mg/kg
- LD50 (oral, rat) (Fatty alcohol alcoxylate) >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

11.5 Inhalation

- Mildly irritating to respiratory system
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SECTION 12 Ecological information

12.1 Toxicity

- LC50 (fish) (Fatty alcohol ethoxylate) 1-10 mg/l (96 hr)
- Biodegradability. OECD-test. 28 days >60 % (fatty alcohol alcoxylate)
- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

12.2 Persistence and degradability

- The components in this product are readily biodegradable.

12.3 Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

12.4 Mobility in soil

- Completely soluble 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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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- No special precautions are required for this product

13.2 Classification

- EU Waste class: -
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SECTION 14 Transport information

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

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
- 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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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
- Microbial classification: All the bacteria contained in this formulation are of group 1 according to Directive 2000/54/EC (on the protection of workers from risks related to exposure to biological agents at work). Microorganisms from group 1 are unlikely to cause a human disease. When handling the product, precautions described in Annex VI of Directive 2000/54/EC have to be taken into consideration in order to make a risk assessment. Annex VI: Containment principles for industrial processes involving group 2, 3 or 4 biological agents
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- Norwegian Productregistration no: 51876 (MIK)
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- Composition information in accordance with EC Regulation 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents:

- Nonionic surfactants	<5	%
- Amphoteric surfactants	<5	%
- D-Limonene	>5	%

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:- H315: Causes skin irritation. H318: Causes serious eye damage. R36/38: Irritating to eyes and skin. R38: Irritating to skin. R41: Risk of serious damage to eyes.

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

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

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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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

SECTION 16 Other information (....)

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