

SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking

Product Name: **GAMAZYME FC**
 Datasheet Number: 659391 8. 0. 0
 Use of the substance/preparation: Cleaning agent
 Product Part Number: 659391 (4 x 5 liter)
 Head Office:: Wilhelmsen Ships Service
 address: Strandveien 20, N1324 Lysaker, Norway, Tel: (+47) 67 58 45 50
 Name of Supplier: Wilhelmsen Ships Service AS
 Address of Supplier: Willem Barentszstraat 50
 3165AB Rotterdam
 The Netherlands
 Telephone: +31 10 4877 777
 Fax: +31 10 4877 888
 Responsible Person: Patrick Rijdsdijk, Product HSE Manager, Tel.: +31 6 349 440 35
 Email: Patrick.Rijdsdijk@Wilhelmsen.com
 Emergency Telephone: ****ONLY TO BE USED IN CASE OF AN INCIDENT****
 NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
 American Chemistry Council +1 703 527 3887,
 Greece +30 210 7793777

2 Hazards identification

Irritant

- Odour: Characteristic odour
- Appearance: Liquid, blue, soluble in water
- Contact with eyes: Mildly irritating to eyes
- Contact with skin: In cases of severe exposure, irritation may develop
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Ingestion: The ingestion of significant quantities may cause gastro-intestinal disturbances

Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

Risk Phrases

- Irritating to eyes (R36)

Safety Phrases

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- Wear eye/face protection (S39)

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Polyethoxylated alcohols	<5	68439-46-3	Polymer	R22, 41	Xn
Lipase, triacyl glycerol	<1	9001-62-1	232-619-9	R42	Xn

*See Section 16

4 First aid measures

Contact with skin

- Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
- When in doubt or symptoms persist, seek medical attention

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 give anything by mouth to an unconscious person
- Give plenty of water to drink
- When in doubt or symptoms persist, seek medical attention

Inhalation

- Inhalation is unlikely to occur
- Remove patient to fresh air
- Keep warm and at rest, in a half upright position. Loosen clothing
- Seek medical attention if ill effects occur

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
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5 Fire-fighting measures

- Non combustible
 - Decomposition products may include carbon dioxide
 - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- No special precautions are required for this product

Environmental Precautions

- No special precautions are required for this product

Methods and material for containment and cleaning up

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

Special Precautions

- No special precautions are required for this product
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7 Handling and storage

Precautions for safe handling

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

Conditions for safe storage, including any incompatibilities

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
 - Do not store above 45 °C
 - Protect from frost
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8 Exposure controls/personal protection

Control parameters

- There are no recommended or established controls for this product
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8 Exposure controls/personal protection (....)

Exposure controls

- No special precautions are required for this product

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



Gloves

Goggles

9 Physical and chemical properties

- Odour: Characteristic odour
 - Appearance: Liquid, blue, soluble in water
 - pH 7.5 - 8 at 100 % concentration
 - Boiling point ~ 100 °C at 760 mm /Hg
 - Vapour pressure - not known
 - Freezing point ~ 0 °C at 760 mm/Hg
 - Completely soluble in water
 - Specific gravity (water=1) 1
 - Non combustible
-

10 Stability and reactivity

- Stable
 - Avoid overheating, Avoid contact with acids and alkalis
 - Incompatible with acids and alkalis, Incompatible with oxidizing substances
 - See Section 5
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11 Toxicological information

Information on toxicological effects

- No experimental data available

Inhalation

- Mildly irritating to respiratory system

Contact with skin

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

Contact with eyes

- May cause redness and irritation

Ingestion

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

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

Ecotoxicity

- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

Persistence and degradability

- The components in this product are readily biodegradable.
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12 Ecological information (....)

Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

Mobility in soil

- Completely soluble in water

Other Adverse Effects

- Presents little or no hazard to the environment
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13 Disposal considerations

Waste treatment methods

- No special precautions are required for this product

Classification

- EU Waste class: -
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14 Transport information

Special precautions for user

- Not classified as hazardous for transport
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15 Regulatory information

Classification and labelling

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

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)
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16 Other information

Text of R and S phrase codes used in this safety data sheet:- R22: Harmful if swallowed; R41: Risk of serious damage to eyes; R42: May cause sensitisation by inhalation.

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

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