

## SAFETY DATA SHEET

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

Product Name: **GAMAZYME MSC**  
 Datasheet Number: 587618 6. 0. 0  
 Use of the substance/preparation: Cleaning agent  
 Product Part Number: 587618 (12 x 1 liter)  
 Head Office:: Wilhelmsen Ships Service AS  
 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  
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 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**

- Odour: Characteristic odour, Sweet-smelling
- Appearance: Liquid, milky, 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

- The product is not classified as hazardous according to directive 1999/45/EEC

## Risk Phrases

- Not applicable

## Safety Phrases

- Not applicable

**3 Composition/information on ingredients**

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Viable bacterial cultures	5-10%	N/A	N/A	-	-
Fatty alcohol ethoxylate	1-5%	34398-01-1	500-084-3	41	Xi
Non classified ingredients	60-90%				

\*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

## 4 First aid measures (....)

### Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- When in doubt or symptoms persist, seek medical attention

### 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

- 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)
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## 8 Exposure controls/personal protection

### Control parameters

- There are no recommended or established controls for this product

### 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
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## 8 Exposure controls/personal protection (....)



Gloves



Goggles

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## 9 Physical and chemical properties

- Odour: Characteristic odour, Sweet-smelling
- Appearance: Liquid, milky, soluble in water
- pH 8 - 9 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

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## 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 can be considered as an environmentally friendly product.

Persistence and degradability

- The components in this product are readily biodegradable.

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

### 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

- Not classified as hazardous for supply

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

- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
  - This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
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### 16 Other information

Text of R and S phrase codes used in this safety data sheet:- 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 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