

## SAFETY DATA SHEET

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

Product Name: **GAMAZYME TDS**  
 Datasheet Number: 743146 4. 0. 0  
 Use of the substance/preparation: Cleaning agent  
 Product Part Number: 743146 (100 x 50 gram)  
 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



Irritant

- Odour: Mint
- Appearance: powder, blue, dispersible in water
- Inhalation: Mildly irritating to respiratory system, May cause breathing difficulty
- Ingestion: May cause irritation

### Classification of the substance or mixture

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

### Risk Phrases

- Irritating to eyes and skin (R36/38)

### Safety Phrases

- Avoid contact with skin (S24)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- Wear suitable gloves (S37)

## 3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Citric acid	>15	77-92-9	201-069-1	36	Xi
Sulphamic acid	>15	5329-14-6	226-218-8	36/38, 52/53	-
Sodium Carbonate	5-15	497-19-8	207-838-8	36	Xi
Viable bacterial cultures	<10	N/A	N/A	-	-

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

\*See Section 16

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### 4 First aid measures

Contact with skin

- Wash affected area with plenty of soap and water
- Seek medical attention if irritation persists

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
- Seek medical attention if irritation persists

Ingestion

- Do not induce vomiting
- Never give anything by mouth to an unconscious person
- Give 200-300mls (half pint) water to drink
- Obtain immediate medical attention

Inhalation

- Inhalation is unlikely to occur
- Remove patient to fresh air
- Seek medical advice if necessary

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

- Smoke from fires is corrosive
  - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
  - Do not use water fog
  - Substance evolves toxic fumes, wear self-contained breathing apparatus
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### 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

Environmental Precautions

- No special precautions are required for this product

Methods and material for containment and cleaning up

- Sweep or shovel-up spillage and remove to a safe place
- Flush spill area with copious amounts of water

Special Precautions

- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
  - Wear protective clothing as per section 8
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### 7 Handling and storage

Precautions for safe handling

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes (S24/25)

Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
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## 8 Exposure controls/personal protection

### Control parameters

- No exposure limits have been set for this substance

### Exposure controls

- No special precautions are required for this product

### Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists



Gloves



Goggles

No Smoking

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## 9 Physical and chemical properties

- Odour: Mint
  - Appearance: powder, blue, dispersible in water
  - pH ~1.5 at 1 % concentration
  - Boiling point - not applicable
  - Vapour pressure - not applicable
  - Vapour density - not applicable
  - Water solubility ~100 g/l
  - Density 1000 - 1100 kg/m<sup>3</sup>
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## 10 Stability and reactivity

- This article is considered stable under normal conditions
  - Avoid overheating
  - Incompatible with strong oxidizing substances, Incompatible with acids and alkalis
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## 11 Toxicological information

### Information on toxicological effects

- No experimental data available

### Inhalation

- Inhalation is unlikely to occur
- May cause breathing difficulty

### Contact with skin

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

### Contact with eyes

- May cause pain

### Ingestion

- No effects for small dosage. Large dose effects not known
- May cause gastro-intestinal disturbances

### Carcinogenicity

- No evidence of carcinogenic effects
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## 12 Ecological information

### Ecotoxicity

- This product contains components which are classified in the EU as dangerous for the environment.
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## 12 Ecological information (....)

### Persistence and degradability

- Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.
- If this substance is discharged at low concentrations into an adapted biological effluent treatment plant, the degrading action of the activated sludge will not be affected

### Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

### Mobility in soil

- Completely soluble in water

### Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.
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## 13 Disposal considerations

### Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

### Classification

- EU Waste class: 06.01
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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 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:- R36: Irritating to eyes; R36/38: Irritating to eyes and skin; R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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