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**SAFETY DATA SHEET**

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**1 Identification of the substance or preparation and the supplier**

Product Name: **GAMAZYME BOE**  
Datasheet Number: 624619 2.0.0  
Use of the substance/preparation: Cleaning agent  
Product Part Number: 624619 (25 liter), 624077 (20 liter)

Name of Supplier: Unitor ASA  
Address of Supplier: Willem Barentszstraat 50  
3165 AB Rotterdam-Albrandswaard  
The Netherlands

Telephone: +31 10 4877 777  
Fax: +31 10 4877 888  
Responsible Person: Leen de Visser, Corporate Product Safety Manager, Tel.: +31 6 538 63736

Name of Manufacturer: UNITOR CHEMICALS AS  
Address of Manufacturer: P.O.Box 15  
3141 Kjøpmannskjær  
Norway.  
Telephone: +47 333 515 00

Emergency Telephone: NCEC: +44 1865 407333  
CHEMTREC (800) 424 9300  
CMA +1 703 527 3887  
Greece +30 1 7793777

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**2 Composition/information on ingredients**

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Viable bacterial cultures	5-10	N/A	N/A	-	-
Non classified ingredients	60-90				

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**3 Hazards identification**

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

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**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
- Seek immediate medical attention

### Ingestion

- Never give anything by mouth to an unconscious person
- Give plenty of water to drink
- Seek medical advice

### 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

- Wear protective clothing as per section 8

### Environmental Precautions

- No special precautions are required for this product

### Clean Up Actions

- 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

### Handling

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

### Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
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## 8 Exposure controls and personal protection

### Exposure Limits

- 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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## 9 Physical and chemical properties

- Odour: Characteristic odour, Sweet-smelling
- Appearance: Liquid, amber, soluble in water
- pH 6 - 7
- 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) 1.03
- Non combustible

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## 10 Stability and reactivity

- Stable
- Avoid overheating, Avoid contact with acids and alkalis
- Incompatible with acids and alkalis
- See Section 5

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## 11 Toxicological information

### Toxicological information

- Non-toxic
- In cases of severe exposure, irritation may develop

### Inhalation

- Not hazardous

### Contact with skin

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

## 11 Toxicological information (...)

### 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.

### Mobility

- Completely soluble in water

### Persistence and Biodegradability

- The components in this product are readily biodegradable.

### Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.
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## 13 Disposal considerations

### Classification

- EU Waste class: -

### Disposal considerations

- No special precautions are required for this product
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## 14 Transport information

- Not classified as hazardous for transport
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## 15 Regulatory information

### Classification and labelling

- Not classified as hazardous for supply

### Risk Phrases

- Not applicable

### Safety Phrases

- Not applicable
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## 16 Other information

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

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)