SAFETY DATA SHEET

1 Identification of the substance or preparation and the supplier

Product Name:	**GAMAZYME MSC**
Datasheet Number:	587618 2. 0. 0
Use of the substance/preparation:	Cleaning agent
Product Part Number:	587618 (12 x 1 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

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R 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				

3 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

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)

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

6 Accidental release measures

Personal Precautions

- No special precautions are required for this product

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

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)

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

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

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

11 Toxicological information

Toxicological information

- 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

11 Toxicological information (....)

Ingestion

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

Carcinogenicity

- No evidence of carcinogenic effects

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.

Other Adverse Effects

- Presents little or no hazard to the environment

13 Disposal considerations

Classification

- EU Waste class: -

Disposal considerations

- No special precautions are required for this product

14 Transport information

- Not classified as hazardous for transport

15 Regulatory information

Classification and labelling

- Not classified as hazardous for supply

Risk Phrases

- Not applicable

Safety Phrases

- Not applicable

16 Other information

(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

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)