1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
1.1.1 Commercial Product Name
Enzytec fluid Glycerol

1.1.2 Product code
5360

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Recommended use
Reagent for analysis of food, beverages and other sample material.

1.3 Details of the supplier of the safety data sheet
1.3.1 Supplier
Thermo Fisher Scientific Oy, Clinical Diagnostics Finland

1.3.2 Contact information:
Ratastie 2, P.O.Box 100
FI-01621 Vantaa
FINLAND
+358-9-329 100
+358-9-3291 0300
FI0921547-0
Email
info.cdx.fi@thermofisher.com

1.4 Emergency telephone number

2. HAZARDS IDENTIFICATION

Dangerous properties cannot be excluded. However, risks are not to be expected, when the product is handled by qualified and authorized personnel with the necessary precautions for chemicals / diagnostic reagents.

2.1 Classification of the substance or mixture
1272/2008 (CLP)
67/548/EEC
-; R

2.2 Label elements
67/548/EEC

2.3 Other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Other information
In accordance to the EC Directive 1999/45/EC this product has not to be classified as dangerous preparation.

4. FIRST AID MEASURES

4.1 Description of first aid measures
4.1.2 Inhalation
-

4.1.3 Skin contact
Wash off with plenty of water. Remove contaminated clothing. If irritation develops, get medical attention.

4.1.4 Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.1.5 Ingestion
Drink plenty of water. Get medical attention if symptoms occur.
**SAFETY DATA SHEET**

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Previous date: -

### 4.2 Most important symptoms and effects, both acute and delayed

### 4.3 Indication of immediate medical attention and special treatment needed

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### 5. FIREFIGHTING MEASURES

The product itself does not burn.

#### 5.1 Extinguishing media

#### 5.2 Special hazards arising from the substance or mixture

#### 5.3 Advice for firefighters

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### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

#### 6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

#### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. After cleaning, flush away traces with water.

#### 6.4 Further information

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### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

No special handling advice required.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep at temperatures between 2 and 8 °C. Protect from frost.

#### 7.3 Specific end use(s)

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

#### 8.2 Exposure controls

#### 8.2.1 Occupational exposure controls

Avoid contact with skin, eyes and clothing.

#### 8.2.2 Individual protection measures

##### 8.2.2.1 Respiratory protection

- 

##### 8.2.2.2 Hand protection

Protective gloves.

##### 8.2.2.3 Eye protection

Safety glasses.

##### 8.2.2.4 Skin and body protection

Lab coat.

#### 8.2.3 Environmental exposure controls

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Important Health Safety and Environmental Information

#### 9.1.1 Appearance

Colourless aqueous solution. Odourless.
Enzytec fluid Glycerol

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9.1.4 pH  
R1: 7.5, R2: 6.0 (25 °C)

9.1.6 Initial boiling point and boiling range
- 

9.1.7 Flash point
- 

9.1.10 Explosive properties
- 

9.1.10.1 Lower explosion limit
- 

9.1.10.2 Upper explosion limit
- 

9.1.11 Vapour pressure
- 

9.1.13 Relative density  
R1: 1.039 g/ml; R2: 1.007 g/ml (20 °C)

9.1.14 Solubility(ies)
- 

9.1.14.1 Water solubility
- 

9.1.14.2 Fat solubility (solvent - oil to be specified)
- 

9.1.15 Partition coefficient: n-octanol/water
- 

9.2 Other information

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid
None.

10.5 Incompatible materials
None.

10.6 Hazardous decomposition products
None.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Acute toxicity
Quantitative data about the toxicity of the product are not available. Dangerous properties cannot be ruled out. However, risks are not to be expected, if the product is handled by qualified and authorized personnel with the necessary precautions for chemicals / diagnostic reagents.

11.1.2 Irritation and corrosion
- 

11.1.3 Sensitisation
- 

11.1.4 Subacute, subchronic and prolonged toxicity
- 

11.1.5 STOT-single exposure
- 

12. ECOLOGICAL INFORMATION

12.1 Toxicity

12.1.1 Aquatic toxicity
Quantitative data on ecological effects of the product are not available.

12.1.2 Toxicity to other organisms
-
SAFETY DATA SHEET

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12.2 Persistence and degradability
12.2.1 Biodegradation
Quantitative data on ecological effects of the product are not available.

12.2.2 Chemical degradation
-

12.3 Bioaccumulative potential
Quantitative data on ecological effects of the product are not available.

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

13. DISPOSAL CONSIDERATIONS

The product has to be disposed of as laboratory chemical in accordance with local regulations.

13.1 Waste treatment methods

14. TRANSPORT INFORMATION

14.1 UN number
The product is not subject to current regulations for transportation of hazardous goods (ADR/GGVS, RID/GGVE, IMDG, IATA/ICAO).

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

14.6 Special precautions for users

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

15. REGULATORY INFORMATION

In accordance to the EC Directive 1999/45/EC no marking is required.

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

15.2 Chemical safety assessment

16. OTHER INFORMATION

16.3 Key literature references and sources for data
This product has been evaluated in accordance with the directives 1967/548/EEC, 1999/45/EC and 2001/58/EC. The MSDS of the manufacturer.

16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

16.8 Additional information available from:
Code of the Safety Data Sheet: D09545-01-01-SDS-Enzytec-Glycerol-EN
Corporation mentioned in point 1.3.
The information in this datasheet is to our best knowledge correct and complete, and is offered in good faith as accurate. It characterizes the product with regard to the appropriate safety precautions. It does not guarantee properties of the product.

26.10.2010
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