

Trade name: Glucose/Lactate system solution and Glucose/Lactate hemolyzing solution

Current version : 8.0.0, issued: 22.03.2013

Replaced version: 7.1.0, issued: 14.03.2013

Region: GB

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

Glucose/Lactate system solution and Glucose/Lactate hemolyzing solution

System solution

Order No. (Epp.-No.)

0201-0002-024

0201-0002-025

0201-0002-026

0201-0002-030 (0030 322.002)

Micro test tubes with hemolyzing solution

Order No. (Epp.-No.)

0209-0100-003

0209-0100-005 (6668 054.003)

0209-0100-011

0209-0100-012

0209-0100-013

0209-0100-014

0209-0100-050

0209-0100-122 (6660 050.009)

0209-0100-1244

0209-0100-135 (6660 040.003)

0209-0100-138 (6660 140.008)

0209-0100-1414

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Glucose/Lactate hemolyzing solution:

Bottles and micro test tubes with hemolyzing solution with or without end-to-end capillaries are used to carry out 1 + 50 dilution [hemolysis] of blood for the determination of glucose and lactate. These 1 + 50 dilutions can be measured using the devices BIOSEN.

Glucose/Lactate system solution:

Glucose/Lactate system solution used in the devices BIOSEN to condition the biosensor and as a rinsing and transport solution. Glucose/Lactate system solution can also be used as a hemolyzing solution (sample dilution: 1 + 50) in the BIOSEN devices.

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1.3 Details of the supplier of the safety data sheet

Address

EKF-diagnostic GmbH
Ebendorfer Chaussee 3
D-39179 Barleben

Telephone no. +49 (0)3 92 03 / 7 85 - 0
Fax no. +49 (0)3 92 03 / 7 85 - 16

Information provided by / telephone

EKF-diagnostic GmbH
Telephone: +49 (0)39203 / 785 - 0 (7 am - 4 pm on workdays)

Advice on Safety Data Sheet

support@ekf-diagnostic.de

1.4 Emergency telephone number

+49 (0) 551 / 19240 Poison Information Centre North(Giftinformationszentrale Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive (1999/45/EC; DPD)

2.2 Label elements

Not relevant

2.3 Other hazards

No special hazards have to be mentioned. Please observe the information given in this safety data sheet.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

aqueous solution

Hazardous ingredients

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down). Rinse out mouth and give plenty of water to drink.

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4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

None known

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, sawdust, general-purpose binder). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Recommended storage temperature

Value 15 - 25 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

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Advice on storage assembly

Store the foodstuffs separately.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

No special measures required.

Eye / face protection

Safety glasses (EN 166)

Hand protection

Protective gloves (recommended)

Other

Standard laboratory clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | | | |
|--------------------------------------|-------|------|------|
| Form/Colour | | | |
| liquid | | | |
| colourless | | | |
| Odour | | | |
| odourless | | | |
| Odour threshold | | | |
| No data available | | | |
| pH value | | | |
| Value | 7.24 | | |
| Reference temperature | 20 | °C | |
| Boiling point / boiling range | | | |
| Value | appr. | 100 | °C |
| Reference pressure | | 1013 | mbar |

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| | |
|--|---------|
| Melting point / melting range | |
| No data available | |
| Decomposition point / decomposition range | |
| No data available | |
| Flash point | |
| No data available | |
| Auto-ignition temperature | |
| No data available | |
| Oxidising properties | |
| No data available | |
| Explosive properties | |
| No data available | |
| Flammability (solid, gas) | |
| No data available | |
| Lower flammability or explosive limits | |
| No data available | |
| Upper flammability or explosive limits | |
| No data available | |
| Vapour pressure | |
| No data available | |
| Vapour density | |
| No data available | |
| Evaporation rate | |
| No data available | |
| Relative density | |
| No data available | |
| Density | |
| No data available | |
| Solubility in water | |
| Remarks | soluble |
| Solubility(ies) | |
| No data available | |
| Partition coefficient: n-octanol/water | |
| No data available | |
| Viscosity | |
| No data available | |

9.2 Other information

| |
|--------------------------|
| Other information |
| No data available. |

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expecting handling the product according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

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10.3 Possibility of hazardous reactions

None, if handled according to order.

10.4 Conditions to avoid

None known

10.5 Incompatible materials

none, if handled according to order

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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|--|
| Acute oral toxicity |
| No data available |
| Acute dermal toxicity |
| No data available |
| Acute inhalational toxicity |
| No data available |
| Skin corrosion/irritation |
| No data available |
| Serious eye damage/irritation |
| No data available |
| Respiratory or skin sensitisation |
| No data available |
| Germ cell mutagenicity |
| No data available |
| Reproduction toxicity |
| No data available |
| Carcinogenicity |
| No data available |
| STOT-single exposure |
| No data available |
| STOT-repeated exposure |
| No data available |
| Aspiration hazard |
| No data available |
| Delayed and immediate effects as well as chronic effects from short and long-term exposure |
| When handled appropriately adverse health effects are not to be expected. |
| Other information |
| The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC). |

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SECTION 12: Ecological information

12.1 Toxicity

| |
|----------------------|
| Fish toxicity |
|----------------------|

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|-------------------|
| No data available |
|-------------------|

| |
|-------------------------|
| Daphnia toxicity |
|-------------------------|

| |
|-------------------|
| No data available |
|-------------------|

| |
|-----------------------|
| Algae toxicity |
|-----------------------|

| |
|-------------------|
| No data available |
|-------------------|

| |
|--------------------------|
| Bacteria toxicity |
|--------------------------|

| |
|-------------------|
| No data available |
|-------------------|

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

| |
|--------------------------|
| Other information |
|--------------------------|

| |
|---|
| Do not discharge into the drains or waters and do not store on public depositories. |
|---|

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

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SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

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

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks

Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 1999/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet

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This information is based on our present state of knowledge and experience.

The security data sheet describes products with a view to the security requirements.

However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.