

1.) Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation****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)

7020-3111 (0030 343.000)

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

Use of the substance/preparation

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, EBIO, ESAT, economic, SUPER GL, GL ambulance, LG easy, G, G1 and G2.

Glucose/Lactate system solution:

Glucose/Lactate system solution used in the devices BIOSEN, EBIO, ESAT, economic, Super GL, GL ambulance, GL easy, G, G1 and G2 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 above devices.

Company/undertaking identification**Address**

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Information provided by / telephone

EKF diagnostic GmbH

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Emergency telephone

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

Advice on Safety Data Sheet
support@ekf-diagnostic.de

2.) **Hazards identification**

Hazard symbols

- N O N E

Particular information pertaining specific risk for human / environment

The product does not require a hazard warning label in accordance with Directive 1999/45/EC. No special hazards have to be mentioned. But please observe the information given in this safety data sheet.

3.) **Composition / information on ingredients**

Chemical characterization

aqueous solution

4.) **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.

5.) **Fire-fighting measures**

Suitable extinguishing media

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

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

None known

Special protective equipment for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing.

6.) **Accidental release measures**

Personal precautions

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

Environmental precautions

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

Methods for cleaning up/taking up

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

7.) Handling and storage

Handling

Advice on safe handling

Ensure adequate ventilation.

Advice on protection against fire and explosion

No special measures necessary.

Storage

Requirements for storage rooms and vessels

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

Advice on storage assembly

Store the foodstuffs separately.

Further information on storage conditions

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

Recommended storage temperature

Value 15 - 25 °C

8.) Exposure controls / personal protection

Exposure limit values

N O N E

Personal protective equipment

Respiratory protection

No special measures required.

Hand protection

Protective gloves (recommended)

Eye protection

Safety glasses (EN 166)

Skin protection

Standard laboratory clothing.

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.

9.) Physical and chemical properties

General information

Form	liquid
Colour	colourless
Odour	odourless

Important health, safety and environmental information

Changes in physical state

Type	Boiling point		
Value	appr.	100	°C
Pressure	1013	mbar	

Solubility in water

Remarks soluble

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Version: 6.0.0 / GBStatus: 20.01.2010
Date of printing: 20.01.2010**pH value**Value 7,24
Reference temperature 20 °C**10.) Stability and reactivity****Conditions to avoid**

None known

Materials to avoid

none, if handled according to order

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed.

Thermal decomposition

Remarks No decomposition if used as prescribed.

11.) Toxicological information**Experience in practice**

When handled appropriately adverse health effects are not to be expected.

Other information (chapter 11.)

Product specific toxicological data are not known.

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).

12.) Ecological information**Other adverse effects**

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

13.) Disposal considerations**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.

14.) Transport information**Other information (chapter 14.)**

The product is not defined under national/international road, rail, sea and air dangerous goods transport regulations as a hazardous material.

15.) Regulatory information**Labelling in accordance with EC directives**

The product does not require a hazard warning label in accordance with EC Directive 1999/45/EC.

Hazard symbols

- N O N E

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Status: 20.01.2010
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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.

16.) Other information**Sources of key data used to compile the data sheet:**

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC as amended in each case.

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