



Safety data sheet

pursuant to (EU) regulation no. 1907/2006 and
(EU) regulation no. 453/2010 (REACH)

Trade name: **Lactate, individual test**

Material number: LAC 142

Created on: 18.05.2015

Version: 2.1

Replaces the version of 01.09.2010

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SECTION 1: Name of the substance or mixture and the company

1.1 Product identifier

Trade name Lactate, individual test
Mat. no. LAC 142

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

General use Reagent for in-vitro diagnostics
For professional use only

1.3 Details of the supplier of the safety data sheet

Firm name Diaglobal GmbH
Innovationspark Wuhlheide
Köpenicker Str. 325
12555 Berlin
Email: Info@diaglobal.de
Tel: +49 (0)30 / 6576-2597
Fax: +49 (0)30 / 6576-2517

1.4 Emergency telephone number +49 (0)30 / 6576-2597 (during normal business hours)

SECTION 2: Possible dangers

2.1 Classification of the substance or mixture

The LAC 142 kit contains individual test cuvettes with buffer solutions R1 and start reagent R2.
R1 and R2 are mixtures.

Classification pursuant to EU regulation 1272/2008 (CLP)

These mixtures are not classified as dangerous.

2.2 Labelling elements None

2.3 Other dangers None known

SECTION 3: Composition / specifications of the constituents

3.1 Substances Not applicable

3.2 Mixtures

Chemical characterisation R1: Aqueous solution
R2: Solid-phase reagent on a polypropylene base
Dangerous constituents The mixtures do not contain any dangerous constituents in quantities that
require reporting in this section pursuant to the applicable law.
Additional information The mixture R1 contains sodium azide (>0.1%) as a preserving agent.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Remove contaminated clothing immediately.
Show this safety data sheet to the doctor in attendance.
After inhalation Move affected person into fresh air.
After contact with skin Wash affected areas with plenty of water.
After contact with eyes Rinse eyes thoroughly with plenty of water for several minutes
and consult a doctor.
Remove contact lenses present if possible.
Consult a doctor.



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After swallowing Wash out mouth with water immediately and drink plenty of water, seek a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms None known or expected

4.3 Indication of any immediate medical attention of special treatment needed

Treatment Symptomatic treatment

SECTION 5: Fire-fighting measures

5.1 Extinguishing agents

Suitable extinguishing agents No restriction
The liquid is not flammable. Adapt extinguishing measures to suit the environment.

Unsuitable extinguishing agents for safety reasons None known

5.2 Special hazards arising from the substance or mixture

Thermal decomposition No hazardous decomposition can be expected.
Ambient fire may liberate hazardous vapours.

5.3 Fire-fighting information

Special protective equipment for fire-fighting Prevent skin contact by keeping a safe distance. In the event of ambient fire: wear breathing apparatus with own air supply.

SECTION 6: Measures in the event of unintentional release

6.1 Person-related precautions, protective equipment and procedure in the event of emergencies

Avoid contact with eyes and skin.
Ensure sufficient ventilation.
Wear suitable protective clothing.

6.2 Environmental protective measures

Do not allow the product to enter surface water or sewer system.

6.3 Methods and material for containment and cleaning up

Measures in the event of spillage Absorb with inert liquid-binding material (e.g. sand, silica gel, sawdust).
Binding agents Special precautions to restrict damage are not necessary.

6.4 Reference to other sections

Handle absorbed material in accordance with Section 13 "Disposal considerations".

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Information for safe handling Avoid contact with eyes and skin.
Keep workplace and devices clean.
Ventilate work area well.
Protective and hygienic measures Do not eat, drink or smoke in the application area.
Wash hands before breaks and after work.
Change contaminated clothing.
Remove laboratory coat before entering rooms in which people eat.



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7.2 Conditions for safe storage, including any incompatibilities

Storage	Store at +2 °C to +8 °C. Protect against heat and exposure to strong light.
Requirements on storerooms	No special requirements
Combined storage information	None

7.3 Specific end-uses

Laboratory diagnostics

SECTION 8: Limitation and monitoring of exposure / personal protective equipment

8.1 Parameters for monitoring

MAC value Contains no substances with workplace limits.

8.2 Limitation and monitoring of exposure at the workplace

Breathing protection	None
Eye protection	Protective glasses with side protection
Body protection	Laboratory coat
Hand protection	Disposable gloves pursuant to EN 374, clean gloves with water and soap before removing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

R1

Appearance	Form: liquid
	Colour: colourless
Odour	Characteristic
Odour threshold	No data available
pH value	pH 7.0
Melting point / freezing point	Approx. 0 °C
Boiling point / boiling range	Approx. 100 °C
Flashpoint / flash range	No data available
Evaporation rate	No data available
Auto-flammability	The product is not auto-flammable.
Explosive risk	The product is not explosive.
Vapour pressure at 20 °C	No data available
Relative vapour density	No data available
Density	No data available
Solubility in water	Completely soluble

R2

Appearance	Solid
Odour	Odourless
Odour threshold	Not relevant
pH value	Not relevant
Melting point / freezing point	Not relevant
Boiling point / boiling range	Not relevant
Flashpoint / flash range	No data available
Evaporation rate	Not relevant
Auto-flammability	The product is not auto-flammable.
Explosive risk	The product is not explosive.
Vapour pressure at 20 °C	Not relevant
Relative vapour density	Not relevant
Density	Not relevant
Solubility in water	Mostly insoluble



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9.2 Miscellaneous information

Other information No data available

SECTION 10: Stability and reactivity

- 10.1 Reactivity** No hazardous reactions known in normal use
- 10.2 Chemical stability** Stable under the storage conditions specified
- 10.3 Risks of hazardous reactions** No hazardous reactions known
- 10.4 Conditions to avoid** Protect against heat and exposure to strong light.
- 10.5 Incompatible materials** Strong acids and bases
- 10.6 Dangerous decomposition products** No decomposition products known when stored
Appropriately

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	No data are available for the product.
Corrosive/irritant effect to skin	Can cause skin irritations.
Eye damage/irritation	
Sensitisation of the respiratory tracts / skin	Can cause eye irritations.
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	Contains no constituents classified as carcinogenic.
Specific target organ toxicity after a single exposure	No data available
Specific target organ toxicity after repeated exposure	No data available
Aspiration toxicity	No data available

SECTION 12: Environmental information

- 12.1 Toxicity**
- | | |
|-----------------------------|--|
| Aquatic toxicity | No data are available for the product. |
| Water hazard classification | 1 (self-classification) : slightly hazardous for water |
- 12.2 Persistence and degradability** No data available
- 12.3 Bioaccumulation potential** No data available
- 12.4 Mobility in soil** No data available
- 12.5 Results of the PBT and vPvB assessment** Not applicable
- 12.6 Other hazardous effects** No data available
- Additional information Do not allow the product to enter surface water or sewer system.

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SECTION 13: Disposal information

13.1 Waste disposal procedure

Product 160506: Laboratory chemicals consisting of or containing dangerous substances, including mixtures of laboratory chemicals.
Waste code Hazardous waste. Disposal in accordance with official regulations.

Packaging 160505: Disposal in accordance with official regulations.
Waste code Uncontaminated and completely emptied packaging may be recycled.

SECTION 14: Transport information

- 14.1 UN number**
ADR, IMDG, IATA Not classified as a hazardous good
- 14.2 UN proper shipping name**
ADR, IMDG, IATA Not classified as a hazardous good
- 14.3 Transport hazard classifications**
Not classified as a hazardous good
- 14.4 Packaging group**
Not classified as a hazardous good
- 14.5 Environmental hazards**
No
- 14.6 Special precautions for the user**
No hazardous good pursuant to ADR/RID, ADN, IMDG code, IATA-DGR
- 14.7 Transport in bulk in accordance with Annex II of the MARPOL Agreement 73/78 and the IBC code**
Not applicable

SECTION 15: Legal regulations

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

National regulations of Germany
Storage category 12 = non-combustible liquids
Water hazard classification 1 = slightly hazardous for water

15.2 Chemical safety assessment Chemical safety assessments were not conducted for substances of this mixture.

SECTION 16: Miscellaneous information

Reason for the last changes General revision
Classification pursuant to
EU regulation 1272/2008

The above information is based on the current state of our knowledge. However, it is no assurance of certain product properties in the sense of legal validity.