

**EU SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2015/830

Lactate R2 - Material number: 01 00029

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**1. Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Name of product: Lactate Reagent R2  
as part of the kits: 01 00029 XX XX XXXX  
(The positions X code different packages.)

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

Reagent for in-vitro diagnostics in human samples  
For professional use only

**1.3 Details of the supplier of the safety data sheet**

Company name: DiaSystem Scandinavia AB  
Street/POB-No.: Datorgatan 3  
State/city/postal code: 561 33 Jönköping  
Sweden  
World Wide Web: <http://www.diasystem.se>  
Email: [info@diasystem.se](mailto:info@diasystem.se)  
Telephone: +46 (0) 36 12 62 20  
Telefax: +46 (0) 36 18 77 30  
Dept. responsible for information:  
DiaSystem, Telephone: +46 (0)36 126220

**1.4 Emergency telephone number**

Giftinformationscentralen, Telephone +46 112

**2. Hazards identification****2.1 Classification of the substance or mixture****Classification according to EC regulation 1272/2008 (CLP)**

Skin Irrit. 2; H315 Causes skin irritation. Eye Dam. 1; H318 Causes serious eye damage.

**2.2 Label elements****Labelling (CLP)**

Hazard statements: not applicable  
Precautionary statements: not applicable

**2.3 Other hazards**

No risks worthy of mention.  
Results of PBT and vPvB assessment:  
No data available

**3. Composition/information on ingredients**

3.1 Substances: not applicable

**3.2 Mixtures**

Chemical characterization: Aqueous solution of inorganic salts and organic compounds.

Hazardous ingredients:

Additional information: Contains Sodium azide (0.95 g/L) as preservative.

**4. First aid measures****4.1 Description of first aid measures**

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.  
Following skin contact: Remove residues with soap and water. In case of skin irritation, consult a physician.  
After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.

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After swallowing: Rinse mouth thoroughly with water. Do not induce vomiting without medical advice. Have victim drink large quantities of water, with active charcoal if possible. Seek medical attention. Never give anything by mouth to an unconscious person.

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

After eye contact: May cause irritations.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media: Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

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

Fires in the immediate vicinity may cause the development of dangerous vapours.

**5.3 Advice for firefighters**

Special protective equipment for firefighters:

In case of surrounding fires: Wear self-contained breathing apparatus.

Additional information:

Hazchem-Code:

Do not allow fire water to penetrate into surface or ground water.

**6. Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes. Provide adequate ventilation. Wear appropriate protective equipment. Keep unprotected people away. Take off contaminated clothing and wash it before reuse.

**6.2 Environmental precautions**

Do not allow to penetrate into soil, waterbodies or drains.

**6.3 Methods and material for containment and cleaning up**

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Wash spill area with plenty of water.

**6.4 Reference to other sections**

Refer additionally to section 8 and 13.

**7. Handling and storage****7.1 Precautions for safe handling**

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes. Keep all containers, equipment and working place clean. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.

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

Requirements for storerooms and containers:

Keep containers tightly closed and at a temperature between 2 °C and 8 °C. Do not freeze. Protect from light. Keep sterile.

Hints on joint storage:

Do not store together with: strong acids, alkalis. Keep away from food, drink and animal feedingstuffs.

**7.3 Specific end use(s)**

No information available.

**8. Exposure controls / Personal protection equipment****8.1 Control parameters**

Additional information:

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls**

Provide adequate ventilation, and local exhaust as needed.

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**Personal protection equipment****Occupational exposure controls**

Respiratory protection:	Provide adequate ventilation.
Hand protection:	Protective gloves according to EN 374. Glove material: Nitrile rubber-Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to EN 166.
Body protection:	Lab coat
General protection and hygiene measures:	Change contaminated clothing. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product.

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid
Colour:	Colour: colourless, clear
Odour:	odourless
Odour threshold:	No data available
pH value:	at 25 °C: 2.6
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	not combustible
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	at 20 °C: 1.010 g/mL
Water solubility:	completely miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	No data available

**9.2 Other information**

Additional information:	No data available
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**10. Stability and reactivity****10.1 Reactivity**

Refer to 10.3

**10.2 Chemical stability**

Product is stable under normal storage conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known.

**10.4 Conditions to avoid**

Protect against heat /sun rays.

**10.5 Incompatible materials**

Strong acids and alkalis

**10.6 Hazardous decomposition products**

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition:

No data available

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**11. Toxicological information****11.1 Information on toxicological effects**

Toxicological effects:

Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Lack of data.  
Serious eye damage/irritation: Lack of data.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

Symptoms

After eye contact: May cause irritations.

**12. Ecological information****12.1 Toxicity**

Further details: No data available

**12.2. Persistence and degradability**

Further details: No data available

**12.3 Bioaccumulative potential**

Partition coefficient: n-octanol/water: 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**

General information: Do not allow to enter into ground-water, surface water or drains

**13. Disposal considerations****13.1 Waste treatment methods****Product**

Waste key number 16 05 06\* = Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals.

\* = Evidence for disposal must be provided.

Recommendation: Special waste. Waste disposal according to official state regulations.

**Contaminated packaging**

Waste key number 15 01 02 = Plastic packaging.

Recommendation: Dispose of waste according to applicable legislation.

Non-contaminated packages may be recycled.

**14.1 Transport information****14.1 UN number**

ADR/RID, IMDG, IATA-DGR: not applicable

**14.2 UN proper shipping name**

ADR/RID, IMDG, IATA-DGR: Not restricted

**14.3 Transport hazard class(es)**

ADR/RID, IMDG, IATA-DGR: not applicable

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**14.4 Packing group**

ADR/RID, IMDG, IATA-DGR: not applicable

**14.5 Environmental hazards**

Marine pollutant: no

**14.6 Special precautions for user**

No dangerous good in sense of these transport regulations.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available

**15. Other information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - Great Britain**

Hazchem-Code: -

No data available

**15.2 Chemical Safety Assessment**

For this substance a chemical safety assessment is not required.

**National regulations - EC member states**

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3

**16. Other information****Further information**

General revision (Regulation (EU) No 2015/830)

Date of first version: 2011-07-01

**Department issuing data sheet**

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.