

**EU SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006 (REACH)

**Creatine Kinase R1 - Material number: 01 00017**

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

Name of product: Creatine Kinase Reagent R1  
as part of the kits: 01 00017 XX XX XXXX  
(The positions X code different packages.)

**Use of the substance/preparation**

Reagent for in-vitro diagnostics in human samples

**Company/undertaking identification**

Company name: DiaSystem Scandinavia AB  
Street/POB-No.: Bultvägen 4  
State/city/postal code: S-553 02 Jönköping  
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 12 62 20

**Emergency telephone****Giftinformationscentralen, Telephone +46 112****2. Hazards identification****Classification according to directive 67/548/EEC or 1999/45/EC:**

This preparation is classified as not hazardous.

**3. Composition/information on ingredients**

## Chemical characterization (preparation)

aqueous solution, contains phosphates

## Additional information:

Preparation does not contain dangerous substances above limits that need to be mentioned in this section according to applicable EU-legislation.

Contains Sodium azide (0,95 g/L) as preservative.

**4. First aid measures**

## After skin contact:

Change contaminated clothing. Remove residues with water.

## After eye contact:

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

## After swallowing:

Rinse mouth thoroughly with water. Induce vomiting.

Have victim drink large quantities of water, with active charcoal if possible. Seek medical attention.

**5. Fire fighting measures**

## Suitable extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

## Special exposure hazards arising from the preparation itself, combustion products, resulting gases:

Can be released in case of fire: Nitrogen oxides (NO<sub>x</sub>), sulfur oxides, carbon monoxide and carbon dioxide.

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Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus.

Additional information:

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

**6. Accidental release measures**

Personal precautions:

Avoid contact with skin and eyes.

Environmental precautions:

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

Methods for cleaning up:

Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder.

Store in special closed containers and dispose of according to ordinance. Wash spill area with plenty of water.

**7. Handling and storage****Handling**

Information for safe handling:

Avoid contact with skin and eyes.

Keep all containers, equipment and working place clean.

**Storage**

Requirements for storerooms and containers:

Keep containers tightly closed and at a temperature between 2 °C and 8 °C. Protect from light.

Storage class:

12

**8. Exposure controls / Personal protection equipment****Exposure controls**

See information in chapter 7, section storage.

**Occupational exposure controls**

Respiratory protection:

Provide adequate ventilation.

Hand protection:

Protective gloves according to EN 374.

Glove material: Nitrile rubber

Breakthrough time: &gt;480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed safety glasses according to EN 166.

Skin protection:

Lab apron

General protection and hygiene measures:

Change contaminated clothing.

Wash hands before breaks and at the end of work.

**9. Physical and chemical properties****Appearance**

Physical state: liquid

Colour:

colourless, clear

Odour:

weak like thiole

**Important health, safety and environmental information**

Flash point / flash point range:

not combustible

Density:

at 20 °C: 1,009 g/mL

pH value:

at 25 °C: 6,0

Solubility in water:

fully miscible

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## 10. Stability and reactivity

|                                   |  |
|-----------------------------------|--|
| Conditions to avoid:              | Protect against heat /sun rays.  |
| Materials to avoid:               | Acids, alkalis   |
| Hazardous decomposition products: | Can be released in case of fire: Nitrogen oxides (NOx), sulfur oxides, carbon monoxide and carbon dioxide. |
| Additional information:           | Product is stable under normal storage conditions.   |

## 11. Toxicological information

### General remarks

Contains Sodium azide (0,95 g/L):  
After resorption of toxic quantities: headache, dizziness, nausea, coughing, vomiting, spasms, breathing paralysis, CNS disorders, low blood pressure, cardiovascular failure, unconsciousness, collapse.

## 12. Ecological information

### Ecotoxicity

|                     |  |
|---------------------|--|
| Aquatotoxicity:     | Contains phosphates: May contribute to the eutrophication of water supplies. |
| Water Hazard Class: | 1 = mild water pollutant   |

### Additional ecological information

|                      |   |
|----------------------|---|
| General information: | Do not allow to enter ground water, sewage or drains. |
|----------------------|---|

## 13. Disposal considerations

### Product

|                  |                |  |
|------------------|----------------|--|
| Waste key number | 160506* =      | Laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals.<br>* = Evidence for disposal must be provided. |
| Recommendation:  | Special waste. | Waste disposal according to official state regulations.  |

### Contaminated packaging

|                  |   |                                     |
|------------------|---|-------------------------------------|
| Waste key number | 150102 =  | Plastic packaging.                  |
| Recommendation:  | Waste disposal according to official state regulations. | Cleaned containers may be recycled. |

## 14. Transport information

### Overland transport (ADR/RID)

|                      |                |
|----------------------|----------------|
| Product designation: | Not restricted |
|----------------------|----------------|

### Transport by sea (IMDG)

|                       |                |
|-----------------------|----------------|
| Proper shipping name: | Not restricted |
|-----------------------|----------------|

### Air transport (IATA)

|                       |                |
|-----------------------|----------------|
| Proper shipping name: | Not restricted |
|-----------------------|----------------|

### Additional information

Not a hazardous material with respect to transportation regulations.

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## 15. Regulatory information

## Labelling (67/548/EEC or 1999/45/EC)

Code letter and hazard symbol:

not applicable

R phrase(s): not applicable

S phrase(s): not applicable

## National regulations

## National regulations - Germany

Storage class: 12

Water Hazard Class: 1 = mild water pollutant

## National regulations - EC member states

Volatile organic compounds (VOC):

0 % by weight

## National regulations - USA

Hazard rating systems



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: B

|                 |   |
|-----------------|---|
| HEALTH          | 1 |
| FLAMMABILITY    | 0 |
| PHYSICAL HAZARD | 0 |
| B               |   |

## 16. Other information

## Further remarks

Reason of change: Changes in section 3: Information about 2-Morpholinoethanesulphonic acid not applicable

## Group that issues data sheet

Contact person: see chapter 1, department responsible for information.

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.