

EU SAFETY DATA SHEET

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

Phosphate R1 - Material number: 01 00037

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

Name of product: Phosphate Reagent R1
as part of the kits: 01 00037 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
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)**

Met. Corr. 1; H290 May be corrosive to metals..

2.2 Label elements**Labelling (CLP)**

Signal word: **Warning**
Hazard statements: H290 May be corrosive to metals

Precautionary statements: P234 Keep only in original packaging.
P280 Wear protective gloves/protective clothing/eye protection.
P390 Absorb spillage to prevent material damage

2.3 Other hazards

Product can cause skin irritation because of the pH-value.
Results of PBT and vPvB assessment: No data available

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3. Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterization: Aqueous preparation with surfactants

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 231-639-5 CAS 7664-93-9	Sulfuric acid	< 2 %	Met. Corr. 1; H290. Skin Corr. 1A; H314.
EC No. 500-002-6 CAS 9002-92-0	Dodecan-1-ol, ethoxylated	< 1 %	Acute Tox. 4; H302. Eye Dam. 1; H318.

Full text of H- and EUH-statements: see section 16:

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

In case of inhalation: Move victim to fresh air. If you feel unwell, seek medical advice.

Following skin contact: Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water. Cover with sterile dressing material to protect against infection. Seek medical attention.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently seek the immediate attention of an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Do not try to neutralize. Seek medical attention. A corrosive effect cannot be ruled out because of the pH value.

4.2 Most important symptoms and effects, both acute and delayed

A corrosive effect cannot be ruled out because of the pH value. Can cause skin, eye and respiratory tract irritation.

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. In the event of a fire, the following may be produced when the water evaporates: Sulphur oxides, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

In case of surrounding fires: Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Hazchem-Code: 2X

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**

Provide adequate ventilation. Do not breathe mist/vapours/spray. Avoid contact with skin and eyes. Wear appropriate protective equipment. Keep unprotected people away.

6.2 Environmental precautions

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

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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. Final cleaning.

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. Wear appropriate protective equipment. Do not breathe mist/vapours/spray. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product. 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. Keep sterile. Do not freeze. Unsuitable materials: Metal

Hints on joint storage:

Do not store together with: Alkali compounds, ammonia, alkalis

7.3 Specific end use(s)

No information available.

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

Occupational exposure limit values:

Ingredient	Designation	Type	Limit value
7664-93-9	Sulfuric acid	Europe: IOELV: TWA Great Britain: WEL-TWA Ireland: 8 hours	0.05 mg/m ³ 0.05 mg/m ³ (The mist is defined as the thoracic fraction) 0.05 mg/m ³

8.2 Exposure controls

Provide adequate ventilation, and local exhaust as needed

Personal protection equipment**Occupational exposure controls**

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type (A-P2) according to EN 14387.

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:

Take off immediately all contaminated clothing. Wash hands before breaks and after work. Provide a conveniently located eye rinse station.

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: colourless, clear

Odour: like soap

Odour threshold: No data available

pH value: at 25 °C: 0.8

Melting point/freezing point: approx. 0 °C

Initial boiling point and boiling range: approx. 100 °C

Flash point/flash point range: not combustible

Evaporation rate: No data available

Flammability: No data available

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Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	at 20 °C: 1.015g/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

10. Stability and reactivity**10.1 Reactivity**

Corrosive against metals. Formation of hydrogen (Danger of explosion).

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Alkali metals, alkali compounds, ammonia, alkalis, alkaline earth metals, alkaline earth compounds, acids, halogenates, organic solvents, permanganates.

10.6 Hazardous decomposition products

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

Thermal decomposition:

No data available

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

Toxicological effects: Acute toxicity (oral): B 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

A corrosive effect cannot be ruled out because of the pH value. Can cause skin, eye and respiratory tract irritation.

12. Ecological information**12.1 Toxicity**

Further details: Harmful effects on water organisms by modification of pH-value.

12.2. Persistence and degradability

Further details: No data available

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Phosphate R1 - Material number: 01 00037**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: UN 3264

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: UN 3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulphuric acid mixture

14.3 Transport hazard class(es)

ADR/RID: Class 8, Code: C1

IMDG: Class 8, Subrisk -

IATA-DGR: Class 8

14.4 Packing group

ADR/RID, IMDG, IATA-DGR: III

14.5 Environmental hazards

Marine pollutant: no

14.6 Special precautions for user

Warning board: ADR/RID: Kemmler-number 80, UN number UN 3264

Hazard label: 8

Special provisions: 274

Limited quantities: 5 L

EQ: E1

Contaminated packaging - Instructions: P001 IBC03 LP01 R001

Special provisions for packing together: MP19

Portable tanks - Instructions: T7

Portable tanks - Special provisions: TP1 TP28

Tank coding: L4BN

Tunnel restriction code: E

Sea transport (IMDG)

EmS: F-A, S-B

Special provisions: 223, 274

Limited quantities: 5 L



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Excepted quantities: E1
Contaminated packaging - Instructions: P001, LP01
Contaminated packaging - Provisions: -
IBC - Instructions: IBC03
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T7
Tank instructions - Provisions: TP1, TP28
Stowage and handling: Category A. SW2
Properties and observations: Causes burns to skin, eyes and mucous membranes.
Segregation group: 1

Air transport (IATA)

Hazard label: Corrosive
Excepted Quantity Code: E1
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y841 - Max. Net Qty/Pkg. 1 L
Passenger and Cargo Aircraft: Pack.Instr. 852 - Max. Net Qty/Pkg. 5 L
Cargo Aircraft only: Pack.Instr. 856 - Max. Net Qty/Pkg. 60 L
Special provisions: A3 A803
Emergency Response Guide-Code (ERG): 8L

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: 2X
No data available

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

16. Other information**Further information**

Wording of the H-phrases under paragraph 2 and 3:

H290 = May be corrosive to metals.
H302 = Harmful if swallowed.
H314 = Causes severe skin burns and eye damage.
H318 = Causes serious eye damage

Reason of change: 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.