

Phosphate R1, R1L

Date 2.4.2008

Previous date: -

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1.1 Identification of the substance or preparation****1.1.1 Commercial Product Name**

Phosphate R1, R1L

1.1.2 Product code

984644, 984646

1.2 Use of the Substance/Preparation**1.2.1 Expressed in writing**

For general laboratory purposes.

1.3 Company/undertaking identification**1.3.1 Supplier**

Thermo Fisher Scientific Oy, Clinical Diagnostics Finland

1.3.2 Contact information:

Ratastie 2, P.O.Box 100
FI-01621 Vantaa
FINLAND
+358-9-329 100
+358-9-3291 0300
FI09215470

2. HAZARDS IDENTIFICATION

Irritating to eyes and skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Hazardous components**

3.1.1 CAS/EC and Reg.number	3.1.2 Chemical name of the substance	3.1.3 Concentration	3.1.4 Classification
7664-93-9	Sulfuric acid	14.6 %	C; R35

4. FIRST AID MEASURES**4.2 Inhalation**

Move to fresh air. Oxygen or artificial respiration if needed. If symptoms persist, call a physician.

4.3 Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

4.4 Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

4.5 Ingestion

If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES**5.1 Suitable extinguishing media**Carbon dioxide (CO₂), Foam, Water**6. ACCIDENTAL RELEASE MEASURES**

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6.1 Personal precautions

Use personal protective equipment.

6.2 Environmental precautions

Flush with plenty of water. Do not flush into surface water or sanitary sewer system.

6.3 Methods for cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.

7. HANDLING AND STORAGE**7.1 Handling**

Avoid contact with skin and eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Exposure Limit Values****8.1.1 Threshold limits**

7664-93-9	Sulfuric acid	0.2 mg/m ³ (8 h)	1 mg/m ³ (15 min)
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8.2 Exposure controls**8.2.1 Occupational exposure controls**

Avoid contact with skin and eyes.

8.2.1.1 Respiratory protection

No personal respiratory protective equipment normally required.

8.2.1.2 Hand protection

Impervious gloves

8.2.1.3 Eye protection

Goggles

8.2.1.4 Skin and body protection

Lab coat

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 General Information (appearance, odour)**

liquid

9.2 Important Health Safety and Environmental Information**9.2.2 Boiling point/range** 100 °C**9.2.4 Flammability (solid, gas)** not auto-flammable**9.2.7 Vapour pressure** not determined**9.2.8 Relative density** not determined**10. STABILITY AND REACTIVITY****11. TOXICOLOGICAL INFORMATION****11.2 Primary irritation**

Irritating to eyes. Irritating to skin and mucous membranes

11.3 Sensitisation

No sensitization responses were observed.

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12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity**
12.1.1 Aquatic toxicity
 slightly water endangering

13. DISPOSAL CONSIDERATIONS

The product has to be disposed of as laboratory chemical in accordance with local regulations.

14. TRANSPORT INFORMATION

- | | |
|--|-------------------------|
| 14.1 UN-No | UN 2796 |
| 14.2 Packaging group | II |
| 14.3 Land transport | |
| 14.3.1 Class | 8 |
| 14.3.3 Description of the goods | Sulfuric acid 14.6 % |
| 14.4 Sea transport | |
| 14.4.1 IMDG | 8/II UN 2796 |
| 14.4.2 Proper shipping name | Sulphuric acid solution |
| 14.5 Air transport | |
| 14.5.1 ICAO/IATA | 8 UN 2796 |
| 14.5.2 Proper shipping name | Sulphuric acid solution |

15. REGULATORY INFORMATION

- 15.1 Information on the warning label**
15.1.1 Letter code of the warning symbol and indications of danger for the preparation
 Xi Irritant
- 15.1.2 Names of the ingredients given on the warning label**
 Sulfuric acid
- 15.1.3 R-phrases(s)**
 R36/38 Irritating to eyes and skin.
- 15.1.4 S-phrases(s)**
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S30 Never add water to this product.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. OTHER INFORMATION

- 16.1 List of relevant R phrases**
 R35 Causes severe burns.
 R36/38 Irritating to eyes and skin.
- 16.4 Additional information available from:**
 Code of the Material Safety Data Sheet: D06708-01-MSDS-Phosphate R1-EN
 Corporation mentioned in point 1.3.
 The information in this datasheet is to our best knowledge correct and complete, and is offered in good faith as accurate. It characterizes the product with regard to the appropriate safety precautions. It does not guarantee properties of the product.

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16.5 Literary reference

The MSDS of the manufacturer.

This product has been evaluated in accordance with the directives 1967/548/EEC, 1999/45/EC and 2001/58/EC.

IATA Dangerous Goods Regulations

02.04.2008

LMKo