

TON R3, R3L

Date 3.4.2008

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**

TON R3, R3L

1.1.2 Product code

984653, 984654

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**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
7664-38-2	Phosphoric acid	9 %	C; R34

4. FIRST AID MEASURES**4.2 Inhalation**

Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention immediately if symptoms occur. Keep patient warm and at rest.

4.3 Skin contact

Rinse with plenty of water.

4.4 Eye contact

Rinse with plenty of water.

4.5 Ingestion

Consult a physician if necessary.

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**

Wear personal protective equipment.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Exposure Limit Values****8.1.1 Threshold limits**7664-38-2 Phosphoric acid 1 mg/m³ (8 h) 2 mg/m³ (15 min)**8.2 Exposure controls****8.2.1 Occupational exposure controls**

Wear protective gloves. Avoid contact with the skin and the eyes.

8.2.1.2 Hand protection

Impervious gloves

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**9.2.9 Solubility****9.2.9.1 Water solubility** completely soluble**10. STABILITY AND REACTIVITY****10.3 Hazardous decomposition products**

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION**11.3 Sensitisation**

No sensitization responses were observed.

12. ECOLOGICAL INFORMATION**12.1 Ecotoxicity****12.1.1 Aquatic toxicity**

slightly water endangering

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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 1805
14.2	Packaging group	III
14.3	Land transport	
14.3.1	Class	8
14.3.3	Description of the goods	Phosphoric Acid Solution
14.4	Sea transport	
14.4.1	IMDG	8/III UN 1805
14.4.2	Proper shipping name	Phosphoric Acid Solution
14.5	Air transport	
14.5.1	ICAO/IATA	8 UN 1805
14.5.2	Proper shipping name	Phosphoric 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	-
15.1.3	R-phrase(s)	-
15.1.4	S-phrase(s)	-

16. OTHER INFORMATION

16.1	List of relevant R phrases	R34 Causes burns.
16.4	Additional information available from:	Code of the Material Safety Data Sheet: D06714-01-MSDS-TON R3-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.
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

03.04.2008

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