

WASHFLUID

Date 7.1.2008

Previous date: 23.10.2007

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

WASHFLUID

1.1.2 Product code

981842

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

For general laboratory purposes. Washing solution for the clinical chemistry analyzer.

1.3 Identification of the substance/preparation and the company/undertaking**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

1.4 Emergency telephone number**1.4.1 Telephone number, name and address**

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2. HAZARDS IDENTIFICATION

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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
017-002-01-X	Hydrochloric acid ... %	1.5 %	C; R34; Xi; R37 Corrosive.
26172-55-4	5-chloro-2-methyl-4-isothiazolin-3-one < 0.0015 %	< 0.0015 %	C; R34, R43; N; R50 Corrosive.
2682-20-4	2-methyl-4-isothiazolin-3-one	< 0.0015 %	C; R34, R43 Corrosive.

3.1.7 Further information

May cause irritation to eyes and skin.

4. FIRST AID MEASURES**4.2 Inhalation**

Move to fresh air.

4.3 Skin contact

Rinse with water.

4.4 Eye contact

Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

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4.5 Ingestion

Call a physician immediately. Do not induce vomiting. Drink 1 or 2 glasses of water. If possible drink milk afterwards.

5. FIRE-FIGHTING MEASURES**5.1 Suitable extinguishing media**

Carbon dioxide (CO₂), dry powder, water.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions**

Use personal protective equipment.

6.2 Environmental precautions

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6.3 Methods for cleaning up

Flush into sewer with plenty of water.

7. HANDLING AND STORAGE**7.1 Handling**

Protective gloves.

7.2 Storage

Keep at temperatures between 2 and 8 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.2 Exposure controls****8.2.1 Occupational exposure controls**

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8.2.1.1 Respiratory protection

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8.2.1.2 Hand protection

Protective gloves.

8.2.1.3 Eye protection

Goggles. Face-shield, if there is a risk of spashing. Do not use contact lenses, if there is a risk of splashing into the eyes.

8.2.1.4 Skin and body protection

Lab coat.

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

Colourless, odourless liquid.

9.2 Important Health Safety and Environmental Information**9.2.1 pH**

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9.2.2 Boiling point/range

approximately 100 °C (water)

9.2.5 Explosive properties**9.2.5.1 Lower explosion limit**

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9.2.5.2 Upper explosion limit

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9.2.7 Vapour pressure

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9.2.8 Relative density

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- 9.2.9 Solubility**
- 9.2.9.1 Water solubility** completely soluble.
- 9.2.9.2 Fat solubility (solvent - oil to be specified)** -
- 9.2.10 Partition coefficient (n-octanol/water)** -

10. STABILITY AND REACTIVITY

- 10.1 Conditions to avoid**
Must not be stored in the heat or near hot objects.
- 10.3 Hazardous decomposition products**
Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

- 11.1 Acute toxicity**
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- 11.2 Primary irritation**
May cause eye/skin irritation.
- 11.3 Sensitisation**
May cause sensitisation by skin contact.
- 11.5 Human experience**
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12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity**
- 12.1.1 Aquatic toxicity**
Decreases the pH of water.
Toxicity to fish, HCl: LC₅₀ = 862 mg/l.
- 12.1.2 Toxicity to other organisms**
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- 12.2 Mobility**
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- 12.3 Persistence and degradability**
- 12.3.1 Biodegradation**
Water contaminating.
- 12.3.2 Chemical degradation**
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- 12.4 Bioaccumulative potential**
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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

- 14.3 Land transport**
- 14.3.1 Class** -
- 14.3.2 Risk No.** -
- 14.3.3 Description of the goods** -

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14.3.4	Further Information	-
14.4	Sea transport	-
14.4.1	IMDG	-
14.4.2	Proper shipping name	-
14.4.3	Further Information	-
14.5	Air transport	-
14.5.1	ICAO/IATA	-
14.5.2	Proper shipping name	-
14.5.3	Further Information	-

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 -
15.1.2	Names of the ingredients given on the warning label -
15.1.3	R-phrases(s) -
15.1.4	S-phrases(s) -
15.1.5	Special regulations on certain preparations -

16. OTHER INFORMATION

16.1	List of relevant R phrases R34 Causes burns. R37 Irritating to respiratory system. R43 May cause sensitization by skin contact. R50 Very toxic to aquatic organisms.
16.4	Additional information available from: Code of the Material Safety Data Sheet: D04255-03-01-MSDS-WASHFLUID-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.
16.6	Additions, Deletions, Revisions Changes in the sections 3 .

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