

Phosphorus, Reagent A

Date 11.1.2010

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**

Phosphorus, Reagent A

1.1.2 Product code

981890, 981891

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

In vitro diagnostic reagent for the clinical chemistry analyser.

1.3 Company/undertaking identification**1.3.1 Supplier**

Thermo Fisher Scientific Oy, Clinical Diagnostics Finland

1.3.2 Contact information:

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FINLAND

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Email

info.cdx.fi@thermofisher.com

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	6.5 %	C; R35
9002-93-1	Triton X-100	2.9 %	Xn; R22-41

4. FIRST AID MEASURES**4.1 Additional advice**

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4.2 Inhalation

Move to fresh air.

4.3 Skin contact

Wash off with soap and plenty of water.

4.4 Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.5 Ingestion

Drink plenty of water. Get medical attention if symptoms occur.

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

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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions**
Use personal protective equipment.
- 6.2 Environmental precautions**
Try to prevent the material from entering drains or water courses.
- 6.3 Methods for cleaning up**
Soak up with inert absorbent material.

7. HANDLING AND STORAGE

- 7.2 Storage**
Keep at temperatures between 15 and 30°C.

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) |
|-----------|---------------|-----------------------------|------------------------------|
- 8.2 Exposure controls**
- 8.2.1 Occupational exposure controls**
-
- 8.2.1.1 Respiratory protection**
-
- 8.2.1.2 Hand protection**
Protective 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, colourless, with a weak smell.
- 9.2 Important Health Safety and Environmental Information**
- 9.2.1 pH** 1.2 (20 °C)
- 9.2.2 Boiling point/range** -
- 9.2.3 Flash point** Does not burn.
- 9.2.5 Explosive properties**
- 9.2.5.1 Lower explosion limit** -
- 9.2.5.2 Upper explosion limit** -
- 9.2.7 Vapour pressure** -
- 9.2.8 Relative density** 1.041 kg/m³ (20 °C)
- 9.2.9 Solubility**
- 9.2.9.1 Water solubility** miscible
- 9.2.9.2 Fat solubility (solvent - oil to be specified)** -
- 9.2.10 Partition coefficient (n-octanol/water)** -

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10. STABILITY AND REACTIVITY

- 10.1 Conditions to avoid**
No hazards to be specially mentioned.
- 10.2 Materials to avoid**
None.
- 10.3 Hazardous decomposition products**
None.

11. TOXICOLOGICAL INFORMATION

- 11.1 Acute toxicity**
-
- 11.2 Primary irritation**
Irritating to skin and mucous membranes. Causes eye irritation.
- 11.3 Sensitisation**
-
- 11.4 Subacute, subchronic and prolonged toxicity**
-
- 11.5 Human experience**
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12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity**
- 12.1.1 Aquatic toxicity**
-
- 12.1.2 Toxicity to other organisms**
-
- 12.2 Mobility**
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- 12.3 Persistence and degradability**
- 12.3.1 Biodegradation**
-
- 12.3.2 Chemical degradation**
-
- 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

- | | |
|--|---|
| 14.1 UN-No | UN 3264 |
| 14.2 Packaging group | III |
| 14.3 Land transport | |
| 14.3.1 Class | 8 |
| 14.3.2 Risk No. | - |
| 14.3.3 Description of the goods | 3264 - Corrosive liquid, acidic, inorganic, n.o.s. Sulphuric acid |

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14.3.4	Further Information	-
14.4	Sea transport	
14.4.1	IMDG	8 UN 3264
14.4.2	Proper shipping name	3264 - Corrosive liquid, acidic, inorganic, n.o.s. Sulphuric acid
	Packaging group	III
14.5	Air transport	
14.5.1	ICAO/IATA	8 UN 3264
14.5.2	Proper shipping name	3264 - Corrosive liquid, acidic, inorganic, n.o.s. Sulphuric acid
14.5.3	Further Information	-

15. REGULATORY INFORMATION

15.1	Information on the warning label	
	EC Label	231-639-5
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 6.5%	
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.
	S35	This material and its container must be disposed of in a safe way.
	S37/39	Wear suitable gloves and eye/face protection.
	S46	If swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

16.1	List of relevant R phrases	
	R22	Harmful if swallowed.
	R41	Risk of serious damage to eyes.
	R35	Causes severe burns.
	R36/38	Irritating to eyes and skin.
16.4	Additional information available from:	
	Code of the Safety Data Sheet: D08109-02-01-SDS-Phosphorus, Reagent A-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	

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

11.01.2010

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