

Creatinine (Jaffé), Reagent A

Date 28.9.2007

Previous date: 18.3.2004

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

Creatinine (Jaffé), Reagent A

1.1.2 Product code

981810, 981811,

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

In vitro diagnostic reagent for the clinical chemistry analyser.

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. COMPOSITION/INFORMATION ON INGREDIENTS**2.1 Hazardous components**

2.1.1	2.1.2	2.1.3	2.1.4
CAS number or other code	Chemical name of the substance	Concentration	Classification
88-89-1	Picric acid	0,3 %	E; R2;R4;T; R23/24/25

2.1.7 Further information

The picric acid will stain the skin and clothing and may cause allergic reactions.

3. HAZARDS IDENTIFICATION

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

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4.2 Inhalation

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4.3 Skin contact

Wash off with soap and water.

4.4 Eye contact

Immediately flush eye(s) with plenty of water.

4.5 Ingestion

Drink plenty of water. Consult a physician if necessary.

Creatinine (Jaffé), Reagent A

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4.6 Information to doctor or other trained persons giving first aid

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5. FIRE-FIGHTING MEASURES**5.1 Suitable extinguishing media**Carbon dioxide (CO₂), foam, 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 with plenty of water.

7. HANDLING AND STORAGE**7.1 Handling**

Wear personal protective equipment

7.2 Storage

Keep at temperatures between 2 and 25°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Exposure Limit Values****8.1.1 HTP values**88-89-1 Picric acid 0,1 mg/m³ (8 h) 0,3 mg/m³ (15 min)**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

Safety glasses.

8.2.1.4 Skin and body protection

Lab coat.

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

Yellow liquid.

9.2 Important Health Safety and Environmental Information**9.2.1 pH** 2.1**9.2.2 Boiling point/range** -**9.2.3 Flash point** -**9.2.5 Explosive properties****9.2.5.1 Lower explosion limit** -

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9.2.5.2	Upper explosion limit	-
9.2.7	Vapour pressure	-
9.2.8	Relative density	-
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.
- 10.2 Materials to avoid**
Incompatible with oxidising agents.
- 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**
Irritating to eyes and skin.
- 11.3 Sensitisation**
May cause skin irritation in susceptible persons.
- 11.5 Human experience**
Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).
- 11.6 Other information of acute toxicity**
Avoid contact with eyes.

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity**
- 12.1.1 Aquatic toxicity**
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- 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**
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- 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.

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14. TRANSPORT INFORMATION

14.3	Land transport	
14.3.1	Class	-
14.3.2	Risk No.	-
14.3.3	Description of the goods	-
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 the relevant R phrases	
	R2	Risk of explosion by shock, friction, fire or other sources of ignition.
	R4	Forms very sensitive explosive metallic compounds.
	R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
16.4	Additional information available from:	
	Corporation mentioned in point 1.3.	
	Code of the Material Safety Data Sheet:D00735-03-03-MSDS-Creatinine-Reagent A-EN	
	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 1.3.	
	Date	28.09.2007
	Signature	LMKo