

Bilirubin direct (reagent B)

Date 1.10.2007

Previous date: 19.3.2004

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

Bilirubin direct (reagent B)

1.1.2 Product code

981365

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**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 |
| 7632-00-0 | Sodium nitrite | 0.75 % | O; R8;T; R25;N; R50 Oxidising, Toxic, Dangerous for the environment |

3. HAZARDS IDENTIFICATION**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 immediately with plenty of water and seek medical advice.

4.5 Ingestion

Rinse mouth. Consult a physician if necessary.

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

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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions**
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- 6.2 Environmental precautions**
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- 6.3 Methods for cleaning up**
Soak up with inert absorbent material.

7. HANDLING AND STORAGE

- 7.1 Handling**
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- 7.2 Storage**
Keep tightly closed. 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.
- 8.2.1.4 Skin and body protection**
Lab coat.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 General Information (appearance, odour)**
Colourless liquid.
- 9.2 Important Health Safety and Environmental Information**
- 9.2.1 pH** acidic
- 9.2.2 Boiling point/range** -
- 9.2.3 Flash point** -
- 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** -
- 9.2.9 Solubility**
- 9.2.9.1 Water solubility** -
- 9.2.9.2 Fat solubility (solvent - oil to be specified)** -
- 9.2.10 Partition coefficient (n-octanol/water)** -

10. STABILITY AND REACTIVITY

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10.3 Hazardous decomposition products

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11. TOXICOLOGICAL INFORMATION**11.1 Acute toxicity**

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11.2 Primary irritation

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11.3 Sensitisation

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11.5 Human experience

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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.

14. TRANSPORT INFORMATION**14.3 Land transport****14.3.1 Class**

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14.3.2 Risk No.

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14.3.3 Description of the goods

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14.3.4 Further Information

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14.4 Sea transport**14.4.1 IMDG**

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14.4.2 Proper shipping name

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14.4.3 Further Information

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14.5 Air transport**14.5.1 ICAO/IATA**

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14.5.2 Proper shipping name

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14.5.3 Further Information

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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**

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15.1.2 Names of the ingredients given on the warning label

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15.1.3 R-phrases(s)

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15.1.4 S-phrases(s)

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15.1.5 Special regulations on certain preparations

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15.2 National regulatory information:

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16. OTHER INFORMATION**16.1 List of the relevant R phrases**

R8 Contact with combustible material may cause fire.
R25 Toxic if swallowed.
R50 Very toxic to aquatic organisms.

16.4 Additional information available from:

Code of the Material Safety Data Sheet: D01393-03-03-MSDS-Bilirubin direct (Reagent B)-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 MSDS of the manufacturer.

16.6 Additions, Deletions, Revisions

Changes in the sections 1.3.

Date

01.10.2007

Signature

LMKo