### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Trade name**

Hemoglobin microcuvette for Hemo_Control Photometer

Order No. 3000-3011-050

Order No. 3000-3012-xxxx

Order No. 3000-3013-0278

Order No. 3000-3021-0284

Order No. 3002-3422-0378

Order No. 3003-3514-xxxx

Order No. 3011-3011-0276

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses of the substance or mixture**

*In-vitro-diagnosticum*

- Microcuvettes for determining the hemoglobin level in venous and capillary blood
- Only for use with the EKF Hemo_Control, Hemo_Control Manager device or with compatible instruments

#### 1.3 Details of the supplier of the safety data sheet

**Address**

EKF diagnostic GmbH

Ebendorfer Chaussee 3

D-39179 Barleben

Telephone no. +49 (0)3 92 03 / 7 85 - 0

Fax no. +49 (0)3 92 03 / 7 85 - 16

**Information provided by / telephone**

EKF diagnostic GmbH

Telephone: +49 (0)39203 / 785 - 0 (7 am - 4 pm on workdays)

**Advice on Safety Data Sheet**

support@ekf-diagnostic.de

#### 1.4 Emergency telephone number

+49 (0) 551 / 19240 Poison Information Centre North(Giftinformationszentrale Nord)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification information**

This product is in the sense of article 3 of the Regulation (EC) 1907/2006 (REACH) an article and not subject to the labelling obligations according to:

- Art. 1, Regulation (EC) 1272/2008 (CLP);

To provide a safety data sheet is not mandatory for articles and is done on a voluntary basis.

#### 2.2 Label elements

Not relevant

#### 2.3 Other hazards

Please observe the information given in this safety data sheet.
SECTION 3: Composition/information on ingredients

3.1 Substances
Not applicable. The product is not a substance.

3.2 Mixtures
Chemical characterization
Microcuvettes for determining the hemoglobin level in venous and capillary blood

Additional ingredients

<table>
<thead>
<tr>
<th>No</th>
<th>Substance name</th>
<th>Classification 67/548/EEC</th>
<th>Concentration</th>
<th>%-b.w.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>polystyrene</td>
<td>-</td>
<td>&lt; 100,00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>sodium 3-alpha,12-alpha-dihydroxy-5-beta-cholan-24-oate</td>
<td>-</td>
<td>&lt; 0,05</td>
<td></td>
</tr>
</tbody>
</table>

Hazardous ingredients
This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

3.3 Other information
The reagents are in an opening on the surface of the cuvette.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing.

After inhalation
Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact
Wash off immediately with soap and water.

After eye contact
Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion
Seek medical advice immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed
No data available.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Foam; Carbon dioxide; extinguishing powder; Water spray jet
5.2 Special hazards arising from the substance or mixture
In the event of fire, the following can be released: Carbon dioxide (CO2); Carbon monoxide (CO)

5.3 Advice for firefighters
Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.
For emergency responders
No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up
Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections
No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advice on safe handling
No special measures necessary if stored and handled as prescribed.
General protective and hygiene measures
Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work.
Advice on protection against fire and explosion
No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions
Keep container tightly closed and dry in a cool, well-ventilated place.
Requirements for storage rooms and vessels
Keep the product in the original packing.
Advice on storage assembly
None known

7.3 Specific end use(s)
No data available.
SECTION 8: Exposure controls/personal protection

8.1 Control parameters
No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls
No data available.

Personal protective equipment

Respiratory protection
No special measures required.

Eye / face protection
Safety glasses recommended

Hand protection
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer’s instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other
Check suitability of protective clothing for the specific workplace conditions. Chemical resistance of the protective equipment should be discussed with the manufacturer of the protective equipment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Form/Colour</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>cuvette</td>
<td>yellow</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Odour</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>odourless</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Odour threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>pH value</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>6.8</td>
</tr>
<tr>
<td>Remarks</td>
<td>5 cuvettes in 20 ml deionized water</td>
</tr>
</tbody>
</table>
### Boiling point / boiling range
- No data available

### Melting point / melting range
- No data available

### Decomposition point / decomposition range
- No data available

### Flash point
- No data available

### Auto-ignition temperature
- No data available

### Oxidising properties
- No data available

### Explosive properties
- No data available

### Flammability (solid, gas)
- No data available

### Lower flammability or explosive limits
- No data available

### Upper flammability or explosive limits
- No data available

### Vapour pressure
- No data available

### Vapour density
- No data available

### Evaporation rate
- No data available

### Relative density
- No data available

### Density
- No data available

### Solubility in water
- No data available

### Solubility(ies)
- No data available

### Partition coefficient: n-octanol/water
- No data available

### Viscosity
- No data available

#### 9.2 Other information

### Other information
- No data available.
SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
No data available.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
None known.

10.5 Incompatible materials
None known.

10.6 Hazardous decomposition products
No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Toxicological Effect</th>
<th>Data Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Acute inhalational toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>No data available</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Reproduction toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>No data available</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>No data available</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No data available</td>
</tr>
<tr>
<td>Delayed and immediate effects as well as chronic effects from short and long-term exposure</td>
<td>When handled appropriately adverse health effects are not to be expected.</td>
</tr>
</tbody>
</table>
SECTION 12: Ecological information

12.1 Toxicity

<table>
<thead>
<tr>
<th>Toxicity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Daphnia toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Algae toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Bacteria toxicity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
No data available.

12.6 Other adverse effects
No data available.

12.7 Other information
Ecological data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging
Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.
SECTION 14: Transport information

14.1 Transport ADR/RID/ADN
The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG
The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA
The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information
No data available.

14.6 Special precautions for user
No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available.

15.2 Chemical safety assessment
No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet
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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.