

**Micro tube 1000µl ESAT / 20µl**

Revision date: 22.11.2018

Art. no. 41.1443.904

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

**1.1. Product identifier**

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

**Use of the substance/mixture**

For glucose determination.

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer**

|                         |                                    |                                     |
|-------------------------|------------------------------------|-------------------------------------|
| Company name:           | SARSTEDT AG & Co. KG               |                                     |
| Street:                 | Sarstedtstraße 1                   |                                     |
| Place:                  | D-51588 Nümbrecht                  |                                     |
| Post-office box:        | 1220                               |                                     |
|                         | D-51582 Nümbrecht                  |                                     |
| Telephone:              | +49 (0)2293 / 305 - 0              | Telefax: +49 (0)2293 / 305 - 2470   |
| e-mail:                 | info@sarstedt.com                  |                                     |
| Contact person:         | Dr. Dagmar Flach                   | Telephone: +49 (0)2293 / 305 - 4500 |
|                         | Jochen Hoffmann                    |                                     |
| e-mail:                 | sicherheitsdatenblatt@sarstedt.com |                                     |
| Internet:               | www.sarstedt.com                   |                                     |
| Responsible Department: | R & D Center                       |                                     |

**Supplier**

|               |                      |                               |
|---------------|----------------------|-------------------------------|
| Company name: | SARSTEDT Ltd.        |                               |
|               | Beaumont Leys        |                               |
| Street:       | 68 Boston Road       |                               |
| Place:        | GB-LE4 1AW Leicester |                               |
| Telephone:    | +44 (0) 116 235 9023 | Telefax: +44 (0) 116 236 6099 |
| e-mail:       | info@sarstedt.co.uk  |                               |
| Internet:     | www.sarsedt.com      |                               |

**1.4. Emergency telephone number:**

Call NHS 111 or a doctor.

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements**

**Additional advice on labelling**

none

**2.3. Other hazards**

none

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Chemical characterization**

A micro tube contains 1000 µl ESAT solution.  
Aqueous solution.

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **After inhalation**

Provide fresh air. Get medical advice/attention if you feel unwell.

#### **After contact with skin**

Wash with plenty of water. Change contaminated clothing. If skin irritation occurs: Get medical advice/attention.

#### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### **After ingestion**

Rinse mouth immediately and drink plenty of water. Get medical advice/attention if you feel unwell.

### **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**

Co-ordinate fire-fighting measures to the fire surroundings.

### **5.2. Special hazards arising from the substance or mixture**

The product itself does not burn.

### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

The usual precautions are to be adhered to when handling chemicals. Do not breathe vapour/aerosol.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

### **6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### **6.4. Reference to other sections**

See also section 8 and 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

The usual precautions are to be adhered to when handling chemicals.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Store at room temperature. Store in a dry place. Keep container tightly closed.

### **7.3. Specific end use(s)**

For glucose determination.

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**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.2. Exposure controls**

**Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

**Protective and hygiene measures**

Change contaminated clothing. Protect skin by using skin protective cream. Wash hands before breaks and after work. When using do not eat or drink.

**Eye/face protection**

Wear eye protection.

**Hand protection**

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

**Skin protection**

Personal protective equipment is to be chosen depending on concentration and quantity of the hazardous materials and in consideration of the workplace. The chemical resistance of the protective equipment shall be clarified with the supplier.

**Respiratory protection**

Required in case of formation of vapours/aerosols.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

|                 |             |
|-----------------|-------------|
| Physical state: | liquid      |
| Colour:         | colourless  |
| Odour:          | odourless   |
| pH-Value:       | 7,10 - 7,40 |

**Changes in the physical state**

|  |                   |
|--|-------------------|
| Melting point:                           | No data available |
| Initial boiling point and boiling range: | No data available |
| Sublimation point:                       | No data available |
| Flash point:                             | No data available |

**Flammability**

|        |                   |
|--------|-------------------|
| Solid: | No data available |
| Gas:   | No data available |

|                         |                   |
|-------------------------|-------------------|
| Lower explosion limits: | No data available |
| Upper explosion limits: | No data available |

**Auto-ignition temperature**

|        |                   |
|--------|-------------------|
| Solid: | No data available |
| Gas:   | No data available |

|                            |                   |
|----------------------------|-------------------|
| Decomposition temperature: | No data available |
|----------------------------|-------------------|

**Oxidizing properties**

No data available

|                  |                   |
|------------------|-------------------|
| Vapour pressure: | No data available |
|------------------|-------------------|

|          |                         |
|----------|-------------------------|
| Density: | 1,000 g/cm <sup>3</sup> |
|----------|-------------------------|

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Water solubility: completely miscible

**Solubility in other solvents**

There are no data available on the mixture itself.

Partition coefficient: No data available

Vapour density: No data available

Evaporation rate: No data available

**9.2. Other information**

none

**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**

No data available

**10.5. Incompatible materials**

No data available

**10.6. Hazardous decomposition products**

No data available

**Further information**

No hazardous reaction when handled and stored according to provisions.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

Based on available data, the classification criteria are not met.

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Additional information on tests**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 12: Ecological information**

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**12.1. Toxicity**

No data available

**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

**Further information**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

Dispose of waste according to applicable legislation.

**Contaminated packaging**

Dispose of waste as unused product according to applicable legislation.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.

**Inland waterways transport (ADN)**

**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.

**Marine transport (IMDG)**

**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.

**Air transport (ICAO-TI/IATA-DGR)**

**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

none

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

The mixture is not intended for bulk haulage.

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulatory information**

Water contaminating class (D): - - not water contaminating

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

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**SECTION 16: Other information**

**Changes**

This data sheet contains changes from the previous version in section(s): 1,4,6,7,8,9,10,12,13,16.  
General revision.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

**Further Information**

The product is a single-use laboratory product for in vitro diagnostics.  
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*