

# Safety Data Sheet

**GENERIC EU SDS  
ACCORDING TO REGULATION (EC) NO. 1272/2008**

Version 1.0

Revision Date: 2019-06-04

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NO COUNTRY SPECIFIC DATA

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

- 1.1. Product identifier:**  $\beta_2$ -Mikroglobulin ELISA  
Product number: KR6210
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses: Laboratory reagents, to be used with *Immundiagnostik* assays
- 1.3. Details of the supplier of the safety data sheet**  
Address: Immundiagnostik AG  
Stubenwald Allee 8a  
64625 Bensheim  
Germany  
Telephone number: +49-6251-701-900  
E-Mail address: [info@immundiagnostik.com](mailto:info@immundiagnostik.com)
- 1.4. Emergency telephone number:**  
Emergency phone number: +49-6251-701-900 (8:00 a.m. - 6:15 p.m. CET)

## SECTION 2. Hazards identification

- 2.1. Classification of the substance or mixture**  
Product is **not classified as hazardous** according to the European Regulation 1272/2008/EC
- 2.2. Label elements**  
No labeling required.
- 2.3. Other hazards**  
**Results of PBT and vPvB assessment**  
- PBT: Not applicable  
- vPvB: Not applicable

## SECTION 3. Composition/information on ingredients

- 3.1. Substances**  
Not applicable

**3.2. Mixtures**

### Hazardous ingredients according to Regulation (EC) No 1272/2008

| Component/<br>Reagent     | CAS- No.   | Content [%] | Classification according to Regulation (EC) No 1272/2008 [CLP] |                      |
|---------------------------|------------|-------------|--|----------------------|
| WASHBUF<br>-ProClin 300-  | 55965-84-9 | < 0.05      | Skin Sens. 1   | H317                 |
| CONJ<br>-ProClin 300-     | 55965-84-9 | < 0.05      | Skin Sens. 1   | H317                 |
| STD<br>-Sodium azide-     | 26628-22-8 | < 0.1       | Acute Tox. 2<br>Aquatic Acute 1<br>Aquatic Chronic1            | H300<br>H400<br>H410 |
| CTRL1/2<br>-Sodium azide- | 26628-22-8 | < 0.1       | Acute Tox. 2<br>Aquatic Acute 1<br>Aquatic Chronic1            | H300<br>H400<br>H410 |

| Component/<br>Reagent                       | CAS- No.   | Content [%] | Classification according to Regulation<br>(EC) No 1272/2008 [CLP] |                      |
|---|------------|-------------|---|----------------------|
| SAMPLEBUF<br>-Sodium azide-                 | 26628-22-8 | 0.1         | Acute Tox. 2<br>Aquatic Acute 1<br>Aquatic Chronic1               | H300<br>H400<br>H410 |
| WASHBUF<br>-Triton X 100-                   | 9002-93-1  | 1.0         | Acute Tox. 4<br>Eye irritation 2<br>Chronic aquatic toxicity 2    | H302<br>H318<br>H411 |
| SUB<br>-3,3',5,5'-<br>Tetramethylbenzidine- | 54827-17-7 | 0.02        | n.d.  | n.d.                 |
| STOP<br>- Sulphuric acid -                  | 7664-93-9  | 2.0         | Skin Corr. 1A   | H314                 |

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

#### General advice

Symptoms of poisoning after swallowing may appear after hours. Therefore seek medical surveillance for at least 48 hours after an accident. Consult a doctor/physician. Show this safety data sheet to the doctor in attendance.

#### In case of skin contact

Wash skin with soap and plenty of water. Get medical aid.

#### In case of eye contact

Keep eyes open and rinse eyes thoroughly with clean water for several minutes. Get medical aid.

#### If swallowed

Rinse mouth with water. Do NOT induce vomiting. Consult a doctor/physician immediately.

### 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

The product itself is not flammable. Adjust fire fighting actions to the requirements of the adjacent fire.

#### Suitable extinguishing media:

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

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

No data available.

### 5.3. Advice for firefighters:

Wear protective self-contained breathing device when appropriate.

## SECTION 6. Accidental release measures

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

Wear personal protective equipment. Avoid contact with eyes and skin.

### 6.2. Environmental precautions

Prevent entry into the drainage system. Dilute with plenty of water.

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

Contain spill with adsorbent materials. Dispose contaminated material as stated in paragraph 13.

### 6.4. Reference to other sections

For disposal see section 13.

## SECTION 7. Handling and Storage

- 7.1. Precautions for safe handling**  
Open and handle contents with caution. Avoid formation of vapors/mist and spilling.
- 7.2. Conditions for safe storage, including any incompatibilities**  
No special requirements for storage.  
The unopened box should be stored at 2-8 °C.
- 7.3. Specific end use(s)**  
Apart from the uses mentioned in section 1.2 no other specific uses are predetermined.

## SECTION 8. Exposure controls/personal protections

### 8.1. Control parameters

#### Components with workplace control parameters

| CAS-No.    | Name           | Mode          | Value | Unit              |
|------------|----------------|---------------|-------|-------------------|
| 7664-93-9  | Sulphuric acid | MAK (Germany) | 0.1   | mg/m <sup>3</sup> |
| 26628-22-8 | Sodium azide   | MAK (Germany) | 0.2   | mg/m <sup>3</sup> |

### 8.2. Exposure controls

#### Appropriate engineering controls

Avoid contact with skin and eyes and clothing. Wash hands after working with this product.

#### Personal protective equipment

Observe general safety and hygiene precautions when handling chemicals. Wear protective clothing; keep away from food and beverages. Wash hands after handling the product.

#### Eye and face protection

Wear protective goggles.

#### Protection of hands

Wear protective gloves.

## SECTION 9. Physical and chemical properties

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

|  |   |
|--|---|
| Appearance:                                  |   |
| - The physical state (solid, liquid, gas)    | Liquid or lyophilized (has no influence to the properties of the mixture) |
| - color                                      | Diverse (has no influence to the properties of the mixture)               |
| Odor   | no data available   |
| Odor threshold                               | no data available   |
| pH   | no data available   |
| Melting point/ freezing point                | no data available   |
| Initial boiling point and boiling range      | no data available   |
| Flash point                                  | no data available   |
| Evaporation rate                             | no data available   |
| Flammability (solid, gas)                    | no data available   |
| Upper/lower flammability or explosive limits | no data available   |
| Vapour pressure                              | no data available   |
| Relative density                             | no data available   |
| Solubilities                                 | no data available   |
| Partition coefficient: n-octanol/water       | no data available   |
| Auto-ignition temperature                    | no data available   |
| Decomposition temperature                    | no data available   |
| Viscosity                                    | no data available   |
| Explosive properties                         | no data available   |
| Oxidising properties                         | no data available   |

### 9.2. Other information

No other information available.

## SECTION 10. Stability and reactivity

- 10.1. **Reactivity:** Not specified.
- 10.2. **Chemical stability:** Not specified.
- 10.3. **Possibility of hazardous reactions:** Not specified.
- 10.4. **Conditions to avoid:** Not specified.
- 10.5. **Incompatible materials:** Not specified.
- 10.6. **Hazardous decomposition products:** Not specified.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute Toxicology

| CAS-No.    | Name                           | Mode        | Value      | Species |
|------------|--------------------------------|-------------|------------|---------|
| 9002-93-1  | Triton X 100                   | LD50 (Oral) | 1800 mg/kg | Rat     |
| 54827-17-7 | 3,3',5,5'-Tetramethylbenzidine | LD50 (Oral) | 316 mg/kg  | Bird    |
| 7664-93-9  | Sulphuric acid                 | LD50 (Oral) | 2140 mg/kg | Rat     |
| 26628-22-8 | Sodium azide                   | LD50 (Oral) | 27 mg/kg   | Rat     |
| 55965-84-9 | ProClin 300                    | LD50 (Oral) | 862 mg/kg  | Rat     |

#### Further toxicological specificities:

Quantitative toxicological data are not available.

## SECTION 12. Ecological information

- 12.1. **Toxicity:**  
Toxic for water organisms.
- 12.2. **Persistence and degradability**  
No information available.
- 12.3. **Bioaccumulative potential**  
No information available.
- 12.4. **Mobility in soil**  
No information available.
- 12.5. **Results of PBT and vPvB assessment**  
No information available.
- 12.6. **Other adverse effects**  
Water pollution class I (manufacturer's classification): low potential for water pollution.

## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

#### Product

Do not allow entry into the drainage system. Remaining chemicals or preparations have to be disposed of as toxic waste. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations. Information regarding local disposal laws is available from the local authorities.

#### Contaminated packaging

Dispose according to local laws.

## SECTION 14. Transport information

- 14.1. **UN number**  
Not applicable.
- 14.2. **UN proper shipping name**  
Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packaging group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

None.

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

Not applicable.

## SECTION 15. Regulatory information

This product has been classified and labeled according to the European Regulation 1272/2008/EC.

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

No data available.

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out for this product.

## SECTION 16. Other information

### H-code(s) used in this data sheet

**Signal word:** Danger

### Hazard statement(s)

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|      |   |
|------|---|
| H300 | Fatal if swallowed.                                   |
| H302 | Harmful if swallowed.                                 |
| H314 | Causes severe skin burns and eye damage.              |
| H317 | May cause an allergic skin reaction.                  |
| H318 | Causes serious eye damage.                            |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects.      |

This Safety data sheet has been adjusted according to COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.

### Disclaimer

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