

Insulin ELISA

RE53171



I B L I N T E R N A T I O N A L G M B H

Flughafenstrasse 52a
D-22335 Hamburg, Germany

Phone: +49 (0)40-53 28 91-0
Fax: +49 (0)40-53 28 91-11

IBL@IBL-International.com
www.IBL-International.com

Safety Data Sheet

according to Regulation (EC). No. 1907/2006 (REACH)

Printing date 01.03.2010

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1 Identification of substance:

· **Product details:**

· **Trade name:** Insulin ELISA

· **Article number:** RE53171

· **Application of the substance / the preparation:**

laboratory reagent / Immunoassay

The product is intended for professional use.

· **Manufacturer/Supplier:**

IBL International GmbH

Flughafenstr. 52 a

D-22335 Hamburg

Tel.: ++49-40-53 28 91-0

Fax.: ++49-40-53 28 91-11

E-Mail: IBL@IBL-International.com

<http://www.IBL-International.com>

· **Further information obtainable from:** Safety Representative

· **Information in case of emergency:** ++49-40-53 28 91 - 0

2 Hazards identification

· **Hazard description:** not applicable

· **Information concerning to particular hazards to man and environment**

No special remarkable hazards. Please observe the informations given in this safety data sheet.

· **Classification system**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **GHS label elements** Void

3 Composition/information on ingredients

· **Chemical characterization**

Not listed reagents contains no hazardous substances in concentrations to be declared.

Labelling not required.

· **Description:**

Calibrator contains ProClin 300.

















Conjugate contains ProClin 300.

Enzyme Complex contains ProClin 300.

TMB Substrate contains Tetramethylbenzidine and Hydrogen peroxide.

Stop Solution contains sulphuric acid.

· **Dangerous components:**

7664-93-9	<p>sulphuric acid</p> <p> C; R 35</p> <p>Danger:  3.2/1A</p>	2,5-5,0%
54827-17-7	<p>3,3',5,5'-tetramethylbenzidine</p> <p> T; R 19-23/24/25</p> <p>Danger:  3.1.O/2, 3.1.D/2, 3.1.I/2</p>	< 1,0%
7722-84-1	<p>hydrogen peroxide solution</p> <p> C,  Xn,  O; R 8-20/22-34</p> <p>Danger:  2.13/1;  3.2/1A</p> <p>Warning:  3.1.O/4, 3.1.I/4</p>	< 1,0%
	<p>ProClin 300 Active Ingredients:</p> <p>2.30% 5-Chloro-2-methyl-4-isothiazolin-3-one [CAS-No.: 26172-55-4]</p> <p>0.70% 2-Methyl-4-isothiazolin-3-one [CAS-No.: 2682-20-4]</p> <p> C,  Xn,  N; R 20/21/22-34-43-51/53</p> <p>Danger:  3.2/1B</p> <p>Warning:  4.1.A/1, 4.1.C/2;  3.1.O/4, 3.1.D/4, 3.1.I/4, 3.4.S/1</p>	<0,05%

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· **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
The kit is shipped at ambient temperature and should be stored at 2-8°C. Keep away from heat or direct sun light. The storage and stability of prepared reagents is stated in the corresponding chapters of the instruction for use.

8 Exposure controls and personal protection gear

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:** Protective gloves.

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· **Material of gloves**

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

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Eye protection:** Goggles recommended during refilling.

· **Body protection:** lab coat

9 Physical and chemical properties:

· **General Information**

Form:	liquid or lyophilized
Colour:	Different according to colouring
Odour:	uncharacteristic

· **Change in condition**

Melting point/Melting range: undetermined

Boiling point/Boiling range: undetermined

· **Flash point:** Not applicable

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined

· **Solubility in / Miscibility with**

Water: Fully miscible

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known

· **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** No irritant effect known.

· **on the eye:** No irritant effect known.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information:

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation** Dispose of waste according to applicable local, state, and federal regulations.
- **Uncleaned packaging:**
- **Recommendation:** Dispose of packaging according to applicable local, state, and federal regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Remarks:** No dangerous good in sense of this transport regulation.
- **Inland shipping ADN:**
- **Remarks:** No dangerous good in sense of this transport regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Remarks:** No dangerous good in sense of this transport regulation.
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Remarks:** No dangerous good in sense of this transport regulation.
- **UN "Model Regulation":** -
- **Transport/Additional information:**
Not dangerous according to the above specifications.
This product is part of a kit. Information in this section refers to the kit as a whole.

15 Regulations

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
 - **National regulations**
 - **Technical instructions (air):**
- | Class | Share in % |
|-------|------------|
| I | < 1,0 |
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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· **Relevant R-phrases**

- 19 May form explosive peroxides.
- 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- 20/22 Harmful by inhalation and if swallowed.
- 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- 34 Causes burns.
- 35 Causes severe burns.
- 43 May cause sensitisation by skin contact.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 8 Contact with combustible material may cause fire.

· **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)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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