



**Safety data sheet**  
according to Regulation (EC). No. 1907/2006  
(REACH)

Printing date 07.12.2011

Revision: 07.12.2011

## **IB79188 Neopterin ELISA**

Contains: KENO781 TMB Stop Solution

Not listed single components contains no hazardous substances in concentrations to be declared, a labelling is not required.

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

- Product identifier
- Trade name: TMB Stop Solution
- Article number:  
KENO781
- Application of the substance / the preparation:  
laboratory reagent / Immunoassay  
The product is intended for professional use.
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
Immuno-Biological Laboratories, Inc.      Tel.: 1-763-780-2955  
8201 Central Ave NE, Ste P                      Fax.: 1-763-780-2988  
Minneapolis, MN 55432                          E-Mail: [info@ibl-america.com](mailto:info@ibl-america.com)  
www.demeditec.de
- Further information obtainable from: Safety Representative
- Emergency telephone number: 911

## 2 Hazards identification

- Classification of the substance or mixture



GHS07

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xi; Irritant

- R36/38: Irritating to eyes and skin.
- Information concerning particular hazards for human and environment:  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- Label elements
- GHS label elements  
The product is classified and labelled according to the Globally Harmonized System (GHS).
- Hazard pictograms GHS07
- Signal word Warning
- Hazard statements  
Causes skin irritation.  
Causes serious eye irritation.
- Precautionary statements  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see on this label).  
Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

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- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.


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## 3 Composition/information on ingredients

- Chemical characterization: Mixtures Preparation
- Description:  
Stop Solution contains sulphuric acid.  
Mixture consisting of the following components.

- Dangerous components:

7664-93-9	sulphuric acid		C R35 H314	5-10%
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- Additional information For the wording of the listed risk phrases refer to section 16.

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## 4 First aid measures

- Description of first aid measures
- After inhalation In case of unconsciousness place patient stably in side position for transportation.
- After skin contact Immediately wash with water and soap and rinse thoroughly.
- After eye contact  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing If symptoms persist consult doctor.
- Information for doctor
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

## 5 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

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## 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Wear protective clothing.
- Environmental precautions:  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:  
Absorb with liquid-binding material.  
Ensure adequate ventilation.
- Reference to other sections  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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## \* 7 Handling and storage

- Handling
- Precautions for safe handling
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.
- Information about fire - and explosion protection: No special measures required.
- Conditions for safe storage, including any incompatibilities
- 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: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

## \* 8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Control parameters
- 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.
- Exposure controls
- Personal protective equipment
- General protective and hygienic measures
 

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
- Respiratory protection:
 

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands:



Protective gloves.

- 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:



Tightly sealed goggles.

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· Body protection: lab coat

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## 9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	liquid
Colour:	colorless
· Odour:	Odourless
· Odour threshold:	Not determined.

· pH-value at 20°C: 1

· Change in condition

Melting point/Melting range:	undetermined
Boiling point/Boiling range:	undetermined

· Flash point: Not applicable

· Flammability (solid, gaseous) Not applicable.

· Ignition temperature:

Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

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

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure: Not determined.

· Density at 20°C: 1,08 g/cm<sup>3</sup>

· Relative density Not determined.

· Vapour density Not determined.

· Evaporation rate Not determined.

· Solubility in / Miscibility with  
Water:

Fully miscible

· Segregation coefficient (n-octanol/water): Not determined.

· Viscosity:

dynamic: Not determined.

kinematic: Not determined.

· Other information No further relevant information available.

## 10 Stability and reactivity

· Reactivity

· Chemical stability

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

· Possibility of hazardous reactions No dangerous reactions known

· Conditions to avoid No further relevant information available.

· Incompatible materials: No further relevant information available.

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· Hazardous decomposition products: No dangerous decomposition products (Contd. of page 4) known

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## 11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
  - on the skin: Irritant to skin and mucous membranes.
  - on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
 

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. Irritant

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## 12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:
 

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

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## 13 Disposal considerations

- Waste treatment methods
- Recommendation
 

small remains: dispose with plenty of water

bigger amounts should be collected and afterwards neutralized or disposed like other dangerous goods

### · European waste catalogue

06 00 00	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of acids
06 01 01*	sulphuric acid and sulphurous acid

- Uncleaned packaging:
- Recommendation:
 

Completely emptied packages can be recycled.

Dispose of packaging according to applicable local, state, and federal regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

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## 14 Transport information

<ul style="list-style-type: none"> <li>UN-Number</li> <li>ADR, ADN, IMDG, IATA</li> </ul>	Void
<ul style="list-style-type: none"> <li>UN proper shipping name</li> <li>ADR, ADN, IMDG, IATA</li> </ul>	Void
<ul style="list-style-type: none"> <li>Transport hazard class(es)</li> <li>ADR, ADN, IMDG, IATA</li> <li>Class</li> </ul>	Void
<ul style="list-style-type: none"> <li>Packing group</li> <li>ADR, IMDG, IATA</li> </ul>	Void
<ul style="list-style-type: none"> <li>Environmental hazards:</li> <li>Marine pollutant:</li> </ul>	No
<ul style="list-style-type: none"> <li>Special precautions for user</li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>Transport/Additional information:</li> </ul>	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.
<ul style="list-style-type: none"> <li>ADR</li> <li>Remarks:</li> </ul>	No dangerous good in sense of this transport regulation.
<ul style="list-style-type: none"> <li>ADN</li> <li>Remarks:</li> </ul>	No dangerous good in sense of this transport regulation.
<ul style="list-style-type: none"> <li>IMDG</li> <li>Remarks:</li> </ul>	No dangerous good in sense of this transport regulation.
<ul style="list-style-type: none"> <li>IATA</li> <li>Remarks:</li> </ul>	No dangerous good in sense of this transport regulation.
<ul style="list-style-type: none"> <li>UN "Model Regulation":</li> </ul>	-

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- GHS label elements  
The product is classified and labelled according to the Globally Harmonized System (GHS).
- Hazard pictograms GHS07
- Signal word Warning
- Hazard statements  
Causes skin irritation.  
Causes serious eye irritation.
- Precautionary statements  
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- National regulations (Contd. of page 6)
- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 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.

- Relevant phrases

H314 Causes severe skin burns and eye damage.

R35 Causes severe burns.

- Department issuing MSDS: Safety Representative

• Contact: Demeditec Diagnostics GmbH

- 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

ICAO: International Civil Aviation Organization

• \* Data compared to the previous version altered.