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Material Safety Data Sheet

ELISA Quantification Kits

FOR RESEARCH USE ONLY, NOT FOR DIAGNOSTIC APPLICATIONS

Catalog Number	Product Name
40-371-25002	Serotonin
40-371-25005	Melatonin
40-371-25006	Melatonin-Sulfate
40-371-25007	5-HIAA
40-371-25008	Normetanephrine
40-371-25009	Metanephrine
40-371-25010	Histamine
40-371-25012	Neopterin
40-371-25013	Dopamine

Size: 96 wells

Contains MSDS for following single component with dangerous ingredient:

KEZZ921 TMB Stop Solution

KENO781 TMB Stop Solution

KENB795 TMB Stop Solution

KENB795B TMB Stop Solution

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

1. Identification of substance

· **Product details:**

· **Trade name: TMB Stop Solution**

· **Article number:**

KEZZ921

KENO781

KENB795

KENB795B

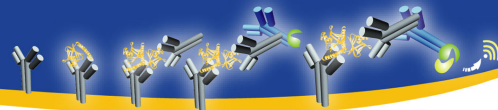
· **Application of the substance / the preparation:**

laboratory reagent / Immunoassay

The product is intended for professional use.

2. Hazards Identification

Hazard description:



Xi Irritant

· **Information concerning to particular hazards to man 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.

R 36/38 Irritating to eyes and skin.

· **Classification system**

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

· **GHS label elements**

3.2/2 - Causes skin irritation.

3.3/2A - Causes serious eye irritation.

· **Prevention:**

Wear protective gloves/protective clothing/eye protection/face protection.

· **Response:**

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.

3. Composition/ information on ingredients

Chemical characterization Preparation

Trade name: TMB Stop Solution

· **Description:**

Stop Solution contains sulphuric acid.

Mixture consisting of the following components.

· **Dangerous components:**

7664-93-9 sulphuric acid C; R 35

Danger: 3.2/1A

5-10%

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

4. 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.

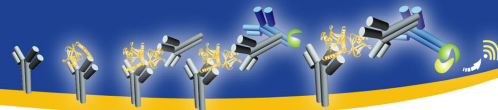
After swallowing If symptoms persist consult doctor.

5. Fire Fighting 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.

6. Accidental release

Person-related safety precautions: Wear protective clothing.

Measures for environmental protection:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material

Ensure adequate ventilation.

7. Handling and Storage

Handling

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **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:**

Keep receptacle tightly sealed.

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

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.

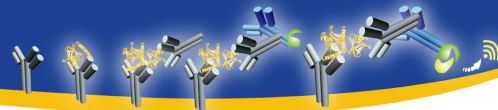
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure

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.

Body protection: lab coat

9. Physical and chemical properties

General Information

Form: liquid

Colour: colorless

Odour: Odourless

· **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 at 20°C:** 1,08 g/cm³

· **Solubility in / Miscibility with**

Water: Fully miscible

pH-value at 20°C: 1

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: 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.

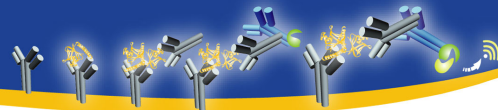
12. Ecological information

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.



13. Disposal considerations

Product:

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*

14. Transportation 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:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous

Materials

· **Code letter and hazard designation of product:**

Xi Irritant

· **Risk phrases:**

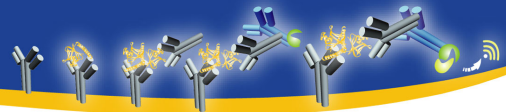
36/38 Irritating to eyes and skin.

· **Safety phrases:**

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

30 Never add water to this product.



37 Wear suitable gloves.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

60 This material and its container must be disposed of as hazardous waste.

National regulations

Waterhazard class: Water hazard class 2 (Self-assessment): 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.

· **Relevant R-phrases**

35 Causes severe burns.

Department issuing MSDS: Safety Representative

Contact: IBL International

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

(Contd. on page 6)