

# **SENSISpec ELISA Sesame**

## **(Cat. nr. HU0030022 / HU0030046)**

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

#### **1.1. Product identifier**

*Trade name:*

**SENSISpec ELISA Sesame**

*Article Number:*

**HU0030022, HU0030046**

*Components:*

- 0) Microtiter Plate
- 1) Substrate Solution
- 2) Conjugate
- 3) Washing Solution (10x Concentrate)
- 4) Extraction and Sample Dilution Buffer (10x Concentrate)
- 5) Sesame Standards
- 6) *Stop Solution*

*CONCERNING SAFETY, THE MICROTITER PLATE (0) IS INOFFENSIVE AND FOR THIS REASON NOT PART OF THIS DOCUMENT. THE MIXTURES 1 – 5, DUE TO COINCIDENT CATEGORIZATION, ARE COMBINED AS A GROUP AND TREATED AND DEALT WITH BELOW. THE MIXTURE 6 (STOP SOLUTION) IS TREATED IN A SEPARATE SAFETY DATA SHEET.*

#### **1.2. Application of the substance / the preparation**

Enzyme immunoassay for the quantitative determination of sesame in food.

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

Gold Standard Diagnostics Budapest Kft.

Fóti út 56/A.

1047 BUDAPEST

HUNGARY

Contact information: [www.goldstandarddiagnostics.com/contacts](http://www.goldstandarddiagnostics.com/contacts)

Phone: + 36 20 457 1204

#### **1.4. Emergency telephone**

Please, contact your local Poison Centre.

### **SECTION 2: Hazards identification**

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

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

No classification applicable.

*Classification according to Regulation (EC) No 1272/2008:*

The mixtures are not classified according to the CLP regulation.

Information concerning particular hazards for human and environment:

The mixtures do not have to be labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest version.

*Classification system:*

The mixtures are classified as non-hazardous according to the criteria of *Directive 67/548/EEC and Directive 1999/45/EC or Regulation (EC) No 1272/2008.*

**2.2. Label elements**

|   |       |
|---|-------|
| <i>Labelling according to Regulation (EC) No 1272/2008:</i> | Void. |
| <i>Hazard pictograms:</i>                                   | Void. |
| <i>Signal word:</i>   | Void. |
| <i>Hazard statements:</i>                                   | Void. |

**2.3. Other hazards**

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

|              |                 |
|--------------|-----------------|
| <i>PBT:</i>  | Not applicable. |
| <i>vPvB:</i> | Not applicable. |

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

*Chemical characterization: Mixtures*

*Description:*

Mixtures of substances with nonhazardous additions.

*Dangerous components:*

Void.

*Additional information:*

For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures**



**4.1. Description of first aid measures**

*General information:*

First aider: Pay attention for self-protection!!

Remove any clothing soiled by the product.

*After Inhalation:*

Remove to fresh air. Consult a doctor in case of complaints.

*After skin contact:*

Immediately rinse with water. If skin irritation continues, consult a doctor.

*After eye contact:*

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

*After swallowing:*

Rinse out mouth and drink a glass of water. Do not induce vomiting. If there is any trouble seek medical help.

**4.2. Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

*Suitable extinguishing agents:*

Use fire extinguishing methods suitable to surrounding conditions. CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

*For safety reasons unsuitable extinguishing agents:*

For this mixture no limitations of extinguishing agents are given.

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

Ambient fire may liberate hazardous vapours.

In the event of fire development of hazardous combustion gases or vapours possible.

In case of fire, the following gases can be released: Dioxide, carbon monoxide and carbon dioxide.

**5.3. Important Advice for firefighters**

*Protective equipment:*

Wear self-contained respiratory protective device. Wear fully protective suit.

**SECTION 6: Accidental release measures**

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

Wear protective clothing.

**6.2. Environmental precautions**

Do not allow to enter sewers/ground water or penetrate the soil.

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

Absorb with liquid binding material (sand diatomite, acid binders, universal binders, sawdust).

Dispose of the material according to regulations.

**6.4. Reference to other sections**

See section 7 for information on safe handling.

See section 8 for information on personal protection requirement.

See section 13 for disposal information.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

No special precautions are necessary if used correctly.

*Information about fire – and explosion protection:*

No special measures required.

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

Storage:

*Requirements to be met by storerooms and receptacles:*

Store at a cool place.

*Information about storage in one common storage facility:*

Store away from foodstuffs.

*Further information about storage conditions:*

None.

*Recommended storage temperature:*

2-8°C

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

No further relevant information available.

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

*Additional information about design of technical facilities:*

No further data; see item 7.

### **8.1. Control parameters**

*Ingredients with limit values that require monitoring at workplace:*

The mixtures do not contain any relevant quantities of materials with critical values that have to be monitored at the working place.

*Additional information:*

The lists valid during the making were used as basis.

### **8.2. Exposure controls**

*Personal protective equipment:*

*General protective and hygienic measures:*

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

Immediately remove all soiled and contaminated clothing.

*Individual protection measures:*

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

*Respiratory protection:*



Not required.

*Protection of hands:*



Protective gloves – The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Nitrile, thickness:  $\geq 0.11$  mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

*Penetration time of glove material:*

Value of the permeation: Level  $\geq 6$

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

*Eye protection:*



Tightly sealed goggles.

*Body protection:*



Protective work clothing.

## SECTION 9: Physical and chemical properties

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

| Property                      | standards                | Substrate Solution       | Conjugate                | Washing Solution (10x Conc.) | Extraction and Dilution Buffer | Sample                   |
|-------------------------------|--------------------------|--------------------------|--------------------------|------------------------------|--------------------------------|--------------------------|
| <i>General information</i>    |                          |                          |                          |                              |                                |                          |
| <i>Appearance:</i>            |                          |                          |                          |                              |                                |                          |
| Form:                         | fluid                    | fluid                    | fluid                    | fluid                        | fluid                          | fluid                    |
| Colour:                       | red                      | colourless               | red                      | colourless                   | red                            | red                      |
| Odour:                        | odourless                | odourless                | odourless                | odourless                    | odourless                      | odourless                |
| Odour threshold:              | No information available | No information available | No information available | No information available     | No information available       | No information available |
| pH-value at 25°C:             | 8.0 – 8.4                | 3.3 – 3.8                | 6.2 – 7.2                | 6.2 – 7.2                    | 8.0 – 8.4                      | 8.0 – 8.4                |
| <i>Change in condition:</i>   |                          |                          |                          |                              |                                |                          |
| Melting point/ Melting range: | No information available | No information available | No information available | No information available     | No information available       | No information available |
| Boiling point/Boiling range   | 100 °C                   | No information available | 100 °C                   | 100 °C                       | 100 °C                         | 100 °C                   |
| Flash point:                  | No information available | No information available | No information available | No information available     | No information available       | No information available |
| Flammability (solid,          | No information           | No information           | No information           | No information               | No information                 | No information available |

| Property                                | standards  | Substrate Solution                               | Conjugate  | Washing Solution (10x Conc.)                     | Extraction and Sample Dilution Buffer            |
|---|--|--|--|--|--|
| gaseous)                                | available  | available  | available  | available  |  |
| Ignition temperature:                   |  |  |  |  |  |
| Decomposition temperature:              | No information available                         |
| Self-igniting:                          | The mixture is not self-igniting                 |
| Danger of explosion:                    | The mixture does not present an explosion hazard | The mixture does not present an explosion hazard | The mixture does not present an explosion hazard | The mixture does not present an explosion hazard | The mixture does not present an explosion hazard |
| <i>Explosion limits:</i>                |  |  |  |  |  |
| Lower:                                  | No information available                         |
| Upper:                                  | No information available                         |
| Oxidizing properties                    | No information available                         |
| Vapour pressure at 20 °C:               | No information available                         |
| <i>Density:</i>                         |  |  |  |  |  |
| Density at 20 °C:                       | No information available                         |
| Vapour density:                         | No information available                         |
| Evaporation rate:                       | No information available                         |
| Solubility in / Miscibility with water: | Fully miscible                                   |
| Partition coefficient (n-Octanol/Water) | No information available                         |
| <i>Viscosity:</i>                       |  |  |  |  |  |
| Dynamic:                                | No information available                         |
| Kinematic:                              | No information available                         |

## 9.2. Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

*Thermal decomposition / conditions to be avoided*

No decomposition if used and stored according to specifications.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No dangerous decomposition products known.

In case of fire see item 5.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute Toxicity:

*LD/LC50 values relevant for classification:*

Quantitative data on the toxicity of the mixtures are not available.

Primary irritant effect:

*On the skin:*

No irritating effect known.

*On the eyes:*

No irritating effect known.

*After inhalation:*

No irritating effect known.

*Sensitization:*

No sensitizing effects known.

CMR effects:

*Germ cell mutagenicity:*

No information available.

*Carcinogenicity:*

No information available.

*Reproductive toxicity:*

No information available.

Aspiration hazard:

No aspiration toxicity classification.

Specific target organ toxicity – single exposure:

The mixtures are not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure:

The mixtures are not classified as specific target organ toxicant, repeated exposure.

Additional toxicological information:

We have no description of any toxicological symptoms.

**11.2. Further information**

The product should be handled with the care usual when dealing with chemicals.

Additional toxicological information:

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

**SECTION 12: Ecological information**

**12.1. Toxicity**

Aquatic toxicity:

Quantitative data on the ecological effect of the mixtures are not available.

**12.2. Persistence and degradability**

No further relevant information available.

**12.3. Bioaccumulative potential**

No further relevant information available.

**12.4. Mobility in soil**

No further relevant information available.

Ecotoxicological effects:

Remark:

Water hazard class 1 (German Regulation) (Self-assessment) – Do not allow to enter waters, sewers or soil.

**12.5. Results of PBT and vPvB assessment**

PBT:

Not applicable.

vPvB:

Not applicable.

**12.6. Other adverse effects**

No further relevant information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Recommendation:

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

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

Uncleaned packaging:

Recommendation:

Die Disposal according to official regulations.

Recommended cleansing agents:

Water, if necessary, together with cleansing agents.

**SECTION 14: Transport information**

**14.1. UN-Number**

ADR, IMDG, IATA:

Void.

**14.2. UN proper shipping name**

ADR:

Void.

IMDG, IATA:

Void.

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

Void.

**14.4. Packing group**

ADR, IMDG, IATA: Void.

**14.5. Environmental hazards**

Marine pollutant: No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

UN „Model Regulation“: Void.

**SECTION 15: Regulatory information**

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

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Waterhazard class:

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

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

**SECTION 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:

Void.

Department issuing SDS:

Quality Management

Contact:

[CustomerService.BUD@eu.goldstandarddiagnostics.com](mailto:CustomerService.BUD@eu.goldstandarddiagnostics.com)

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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)

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

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LD50: Letale Dose, 50 percent (Not relevant for classification)

LC50: Letale concentration, 50 percent (Not relevant for classification)