



24.06.2024

### Kit Components

Product code	Description
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<b>CSI087235</b>	<b>S. Typhi antigen O + H - Plate Test</b>
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#### Components:

350202	Sospensione S. Typhi antigen O
392500	Sospensione S. Typhi antigen H
392073	Tampone PBS pH 7.2

**Safety data sheet**  
according to Regulation (EC) No 1907/2006,  
Article 31 including amending Regulation  
EU/2020/878

Printing date 24.06.2024

Version number 1

Revision: 24.06.2024

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

- **1.1 Diagnostic Reagent**
- **Trade name:** Sospensione S. Typhi antigen O
- **Article number:** 350202
- **CAS Number:**  
7732-18-5
- **EC number:**  
231-791-2
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Relevant Identified Uses: For laboratory use only  
Uses advised against: Uses other than those recommended
- **Application of the substance / the mixture** Diagnostic reagent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Sclavo Diagnostics International  
Via Po 26-28, Loc. Pian dei Mori  
CAP: 53018 - SOVICILLE - (SI)  
ITALY
- **Further information obtainable from:** Product safety department.
- **1.4 Emergency telephone number:** +39 0577 390 444 / 445

## 2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**  
7732-18-5 water, distilled, conductivity or of similar purity

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- **Identification number(s)**
- **EC number:** 231-791-2

#### 4 First aid measures

- **4.1 Description of 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.
- **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.

#### 5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

#### 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Not required.
- **6.2 Environmental precautions:** Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

#### 7 Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **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:**  
No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

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- **7.3 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
Not required.
- **Additional information:**  
The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Hand protection**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
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.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Goggles recommended during refilling

## 9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** Colourless
- **Odour:** Odourless
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** 0 °C
- **Boiling point or initial boiling point and boiling range** 100 °C (7732-18-5 water, distilled, conductivity or of similar purity)
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable.
- **Decomposition temperature:** Not determined.
- **pH** Not determined.
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **Dynamic at 20 °C:** 0.952 mPas

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- |   |   |
|---|---|
| • <b>Solubility</b>   |   |
| • <b>water:</b>   | Fully miscible.   |
| • <b>Partition coefficient n-octanol/<br/>water (log value)</b> | Not determined.   |
| • <b>Vapour pressure at 20 °C:</b>                              | 23 hPa (7732-18-5 water, distilled,<br>conductivity or of similar purity) |
| • <b>Density and/or relative density</b>                        |   |
| • <b>Density at 20 °C:</b>                                      | 1 g/cm <sup>3</sup>   |
| • <b>Relative density</b>                                       | Not determined.   |
| • <b>Vapour density</b>   | Not determined.   |
- 
- |  |  |
|--|--|
| • <b>9.2 Other information</b>   |  |
| • <b>Appearance:</b>   |  |
| • <b>Form:</b>   | Fluid  |
| • <b>Important information on<br/>protection of health and<br/>environment, and on safety.</b> |  |
| • <b>Ignition temperature:</b>   | Not determined.                                  |
| • <b>Explosive properties:</b>   | Product does not present an explosion<br>hazard. |
| • <b>Solvent content:</b>  |  |
| • <b>Water:</b>  | 98.9 %   |
| • <b>VOC (EC)</b>  | 0.00 %   |
| • <b>Solids content:</b>   | 0.9 %  |
| • <b>Molecular weight</b>  | 18.02 g/mol                                      |
| • <b>Change in condition</b>   |  |
| • <b>Evaporation rate</b>  | Not determined.                                  |
- 
- |  |      |
|--|------|
| • <b>Information with regard to<br/>physical hazard classes</b>                            |      |
| • <b>Explosives</b>  | Void |
| • <b>Flammable gases</b>   | Void |
| • <b>Aerosols</b>  | Void |
| • <b>Oxidising gases</b>   | Void |
| • <b>Gases under pressure</b>  | Void |
| • <b>Flammable liquids</b>   | Void |
| • <b>Flammable solids</b>  | Void |
| • <b>Self-reactive substances and<br/>mixtures</b>   | Void |
| • <b>Pyrophoric liquids</b>  | Void |
| • <b>Pyrophoric solids</b>   | Void |
| • <b>Self-heating substances and<br/>mixtures</b>  | Void |
| • <b>Substances and mixtures, which<br/>emit flammable gases in contact<br/>with water</b> | Void |
| • <b>Oxidising liquids</b>   | Void |
| • <b>Oxidising solids</b>  | Void |
| • <b>Organic peroxides</b>   | Void |
| • <b>Corrosive to metals</b>   | Void |
| • <b>Desensitised explosives</b>   | Void |

## 10 Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
No dangerous decomposition products known.

## 11 Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**  
Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation**  
Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**  
Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity**  
Based on available data, the classification criteria are not met.
- **Carcinogenicity**  
Based on available data, the classification criteria are not met.
- **Reproductive toxicity**  
Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
Based on available data, the classification criteria are not met.
- **Aspiration hazard**  
Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**  
The product contains substances, which affect the thyroid system and other hormonal systems.

None of the ingredients is listed.

## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information 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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.

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- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Not hazardous for water.

### 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations.
- **Recommended cleansing agents:**  
Water, if necessary together with cleansing agents.

### 14 Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** not regulated
- **14.2 UN proper shipping name**
- **ADR, IMDG, IATA** not regulated
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** not regulated
- **14.4 Packing group**
- **ADR, IMDG, IATA** not regulated
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **UN "Model Regulation":** not regulated

### 15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II**  
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**  
None of the ingredients is listed.

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• **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

• **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

• **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

• **15.2 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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

• **Department issuing SDS:** Product safety department.

• **Contact:** -

• **Date of previous version:** 02.04.2024

• **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

• **\* Data compared to the previous version altered.**

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

- **1.1 Diagnostic Reagent**
- **Trade name:** Sospensione S. Typhi antigen H
- **Article number:** 392500
- **CAS Number:**  
7732-18-5
- **EC number:**  
231-791-2
- **1.2 Relevant identified uses of the substance or mixture and uses  
advised against**  
Relevant Identified Uses: For laboratory use only  
Uses advised against: Uses other than those recommended
- **Application of the substance / the mixture** Diagnostic reagent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Sclavo Diagnostics International  
Via Po 26-28, Loc. Pian dei Mori  
CAP: 53018 - SOVICILLE - (SI)  
ITALY
- **Further information obtainable from:** Product safety department.
- **1.4 Emergency telephone number:** +39 0577 390 444 / 445

**2 Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**3 Composition/information on ingredients**

- **3.1 Substances**
- **CAS No. Description**  
7732-18-5 water, distilled, conductivity or of similar purity  
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- **Identification number(s)**
- **EC number:** 231-791-2

#### 4 First aid measures

- **4.1 Description of 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.
- **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.

#### 5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

#### 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Not required.
- **6.2 Environmental precautions:** Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

#### 7 Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **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:**  
No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

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- **7.3 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
Not required.
- **Additional information:**  
The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Hand protection**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
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.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Goggles recommended during refilling

## 9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** Colourless
- **Odour:** Odourless
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** 0 °C
- **Boiling point or initial boiling point and boiling range** 100 °C (7732-18-5 water, distilled, conductivity or of similar purity)
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable.
- **Decomposition temperature:** Not determined.
- **pH** Not determined.
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **Dynamic at 20 °C:** 0.952 mPas

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| <ul style="list-style-type: none"> <li>• <b>Solubility</b></li> <li>• <b>water:</b></li> <li>• <b>Partition coefficient n-octanol/water (log value)</b></li> <li>• <b>Vapour pressure at 20 °C:</b></li> <li>• <b>Density and/or relative density</b></li> <li>• <b>Density at 20 °C:</b></li> <li>• <b>Relative density</b></li> <li>• <b>Vapour density</b></li> </ul> | <p>Fully miscible.</p> <p>Not determined.</p> <p>23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)</p> <p>1 g/cm<sup>3</sup></p> <p>Not determined.</p> <p>Not determined.</p> |
|--|---|
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- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• <b>9.2 Other information</b></li> <li>• <b>Appearance:</b></li> <li>• <b>Form:</b></li> <li>• <b>Important information on protection of health and environment, and on safety.</b></li> <li>• <b>Ignition temperature:</b></li> <li>• <b>Explosive properties:</b></li> <li>• <b>Solvent content:</b></li> <li>• <b>Water:</b></li> <li>• <b>VOC (EC)</b></li> <li>• <b>Solids content:</b></li> <li>• <b>Molecular weight</b></li> <li>• <b>Change in condition</b></li> <li>• <b>Evaporation rate</b></li> </ul> | <p>Fluid</p> <p>Not determined.</p> <p>Product does not present an explosion hazard.</p> <p>98.9 %</p> <p>0.00 %</p> <p>0.9 %</p> <p>18.02 g/mol</p> <p>Not determined.</p> |
|---|---|
- 
- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• <b>Information with regard to physical hazard classes</b></li> <li>• <b>Explosives</b></li> <li>• <b>Flammable gases</b></li> <li>• <b>Aerosols</b></li> <li>• <b>Oxidising gases</b></li> <li>• <b>Gases under pressure</b></li> <li>• <b>Flammable liquids</b></li> <li>• <b>Flammable solids</b></li> <li>• <b>Self-reactive substances and mixtures</b></li> <li>• <b>Pyrophoric liquids</b></li> <li>• <b>Pyrophoric solids</b></li> <li>• <b>Self-heating substances and mixtures</b></li> <li>• <b>Substances and mixtures, which emit flammable gases in contact with water</b></li> <li>• <b>Oxidising liquids</b></li> <li>• <b>Oxidising solids</b></li> <li>• <b>Organic peroxides</b></li> <li>• <b>Corrosive to metals</b></li> <li>• <b>Desensitised explosives</b></li> </ul> | <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> |
|--|---|

## 10 Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
No dangerous decomposition products known.

## 11 Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**  
Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation**  
Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**  
Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity**  
Based on available data, the classification criteria are not met.
- **Carcinogenicity**  
Based on available data, the classification criteria are not met.
- **Reproductive toxicity**  
Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
Based on available data, the classification criteria are not met.
- **Aspiration hazard**  
Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**  
The product contains substances, which affect the thyroid system and other hormonal systems.

None of the ingredients is listed.

## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information 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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.

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**Safety data sheet**  
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**Trade name: Sospensione S. Typhi antigen H**

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- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Not hazardous for water.

### 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations.
- **Recommended cleansing agents:**  
Water, if necessary together with cleansing agents.

### 14 Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** not regulated
- **14.2 UN proper shipping name**
- **ADR, IMDG, IATA** not regulated
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** not regulated
- **14.4 Packing group**
- **ADR, IMDG, IATA** not regulated
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **UN "Model Regulation":** not regulated

### 15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II**  
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**  
None of the ingredients is listed.

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• **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

• **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

• **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

• **15.2 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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

• **Department issuing SDS:** Product safety department.

• **Contact:** -

• **Date of previous version:** 03.04.2024

• **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

• **\* Data compared to the previous version altered.**

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

- **1.1 Diagnostic Reagent**
- **Trade name:** Tampone PBS pH 7.2
- **Article number:** 392073
- **CAS Number:**  
7732-18-5
- **EC number:**  
231-791-2
- **UFI:** U5W0-X0V5-T00A-M92V
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Relevant Identified Uses: For laboratory use only  
Uses advised against: Uses other than those recommended
- **Application of the substance / the mixture** Diagnostic reagent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Sclavo Diagnostics International  
Via Po 26-28, Loc. Pian dei Mori  
CAP: 53018 - SOVICILLE - (SI)  
ITALY
- **Further information obtainable from:** Product safety department.
- **1.4 Emergency telephone number:** +39 0577 390 444 / 445

## 2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**  
7732-18-5 water, distilled, conductivity or of similar purity

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- **Identification number(s)**
- **EC number:** 231-791-2

#### 4 First aid measures

- **4.1 Description of 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.
- **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.

#### 5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

#### 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Not required.
- **6.2 Environmental precautions:** Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

#### 7 Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **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:**  
No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

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- **7.3 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
Not required.
- **Additional information:**  
The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Hand protection**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
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.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Goggles recommended during refilling

## 9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** Colourless
- **Odour:** Odourless
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** 0 °C
- **Boiling point or initial boiling point and boiling range** 100 °C (7732-18-5 water, distilled, conductivity or of similar purity)
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable.
- **Decomposition temperature:** Not determined.
- **pH** Not determined.
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **Dynamic at 20 °C:** 0.952 mPas

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- |   |   |
|---|---|
| · <b>Solubility</b>   |   |
| · <b>water:</b>   | Fully miscible.   |
| · <b>Partition coefficient n-octanol/<br/>water (log value)</b> | Not determined.   |
| · <b>Vapour pressure at 20 °C:</b>                              | 23 hPa (7732-18-5 water, distilled,<br>conductivity or of similar purity) |
| · <b>Density and/or relative density</b>                        |   |
| · <b>Density at 20 °C:</b>                                      | 1 g/cm <sup>3</sup>   |
| · <b>Relative density</b>                                       | Not determined.   |
| · <b>Vapour density</b>   | Not determined.   |
- 
- |  |  |
|--|--|
| · <b>9.2 Other information</b>   |  |
| · <b>Appearance:</b>   |  |
| · <b>Form:</b>   | Fluid  |
| · <b>Important information on<br/>protection of health and<br/>environment, and on safety.</b> |  |
| · <b>Ignition temperature:</b>   | Not determined.                                  |
| · <b>Explosive properties:</b>   | Product does not present an explosion<br>hazard. |
| · <b>Solvent content:</b>  |  |
| · <b>Water:</b>  | 98.9 %   |
| · <b>VOC (EC)</b>  | 0.00 %   |
| · <b>Solids content:</b>   | 0.9 %  |
| · <b>Molecular weight</b>  | 18.02 g/mol                                      |
| · <b>Change in condition</b>   |  |
| · <b>Evaporation rate</b>  | Not determined.                                  |
- 
- |  |      |
|--|------|
| · <b>Information with regard to<br/>physical hazard classes</b>                            |      |
| · <b>Explosives</b>  | Void |
| · <b>Flammable gases</b>   | Void |
| · <b>Aerosols</b>  | Void |
| · <b>Oxidising gases</b>   | Void |
| · <b>Gases under pressure</b>  | Void |
| · <b>Flammable liquids</b>   | Void |
| · <b>Flammable solids</b>  | Void |
| · <b>Self-reactive substances and<br/>mixtures</b>   | Void |
| · <b>Pyrophoric liquids</b>  | Void |
| · <b>Pyrophoric solids</b>   | Void |
| · <b>Self-heating substances and<br/>mixtures</b>  | Void |
| · <b>Substances and mixtures, which<br/>emit flammable gases in contact<br/>with water</b> | Void |
| · <b>Oxidising liquids</b>   | Void |
| · <b>Oxidising solids</b>  | Void |
| · <b>Organic peroxides</b>   | Void |
| · <b>Corrosive to metals</b>   | Void |
| · <b>Desensitised explosives</b>   | Void |

## 10 Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
No dangerous decomposition products known.

## 11 Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**  
Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation**  
Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**  
Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity**  
Based on available data, the classification criteria are not met.
- **Carcinogenicity**  
Based on available data, the classification criteria are not met.
- **Reproductive toxicity**  
Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
Based on available data, the classification criteria are not met.
- **Aspiration hazard**  
Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**  
The product contains substances, which affect the thyroid system and other hormonal systems.

None of the ingredients is listed.

## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information 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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.

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- 12.7 Other adverse effects
- Additional ecological information:
- General notes: Not hazardous for water.

### 13 Disposal considerations

- 13.1 Waste treatment methods
- Recommendation  
Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- Recommendation:  
Disposal must be made according to official regulations.
- Recommended cleansing agents:  
Water, if necessary together with cleansing agents.

### 14 Transport information

- |  |                 |
|--|-----------------|
| · 14.1 UN number or ID number                                  |                 |
| · ADR, IMDG, IATA  | not regulated   |
| · 14.2 UN proper shipping name                                 |                 |
| · ADR, IMDG, IATA  | not regulated   |
| · 14.3 Transport hazard class(es)                              |                 |
| · ADR, ADN, IMDG, IATA   |                 |
| · Class  | not regulated   |
| · 14.4 Packing group   |                 |
| · ADR, IMDG, IATA  | not regulated   |
| · 14.5 Environmental hazards:                                  | Not applicable. |
| · 14.6 Special precautions for user                            | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation":                                       | not regulated   |

### 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I Substance is not listed.
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II  
None of the ingredients is listed.
- REGULATION (EU) 2019/1148
- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))  
None of the ingredients is listed.

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• **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

• **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

• **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

• **15.2 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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

• **Department issuing SDS:** Product safety department.

• **Contact:** -

• **Date of previous version:** 13.12.2023

• **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

• **\* Data compared to the previous version altered.**

IE