

# Safety Data Sheet

According to (EC) No. 1907/2006

Day of issue: 29. April 2019

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

### 1.1. Product identifier

UFI: Not relevant

#### Labels & Conjugates

HRP Horseradish, Cat. No. 4120

Streptavidin, Cat. No. 4610

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

For research and analysis. Restricted to professional users.

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

See below

Responsible person for the safety data sheet (e-mail): alttox@alttox.dk

### 1.4. Emergency telephone number

NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111

National Poisons Information Centre (Ireland): +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)

Healthcare Professionals: +353 (1) 809 2566 (24-hour service)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

CLP (1272/2008): None

### 2.2. Label elements

None

### 2.3. Other hazards

PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Regulation 2023/707.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2023/707.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Contains no declarable substances.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation: Move the affected person to fresh air. Keep at rest. If needed: get medical attention.

Skin contact: Remove contaminated clothing and wash with soap and water. If irritation persists: Seek medical advice.

Eye contact: Flush with water or physiological salt water, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. Keep under surveillance. If needed: get medical attention.

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

May cause slight irritation of skin, eyes and gastrointestinal tract.

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

Show this safety data sheet to a physician or emergency ward.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

Not combustible; aqueous solution.

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

Not relevant (the product is not combustible).

#### **5.3. Advice for firefighters**

When extinguishing surrounding fires use breathing apparatus with an independent source of air.

### **SECTION 6: Accidental release measures**

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

Use personal protective equipment - see section 8.

#### **6.2. Environmental precautions**

Avoid empty into drains. If large amounts of the mixture contaminate sewages, inform appropriate authorities in accordance with local regulations.

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

Absorb spilled liquid and place spillage in a plastic container. Further handling of spillage - see section 13.

#### **6.4. Reference to other sections**

See references above.

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Avoid generation of dust.

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

Keep container closed when not in use.

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

See section 1.

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

#### **8.1. Control parameters**

Occupational exposure limits (EH40/2020): None

DNEL/PNEC: No CSR.

#### **8.2. Exposure controls**

Appropriate engineering controls: None particular.

Personal protective equipment:

Inhalation: Not relevant during normal use.

Skin: Normally not necessary. In case of prolonged or repeated work: Wear protective gloves (EN 374) e.g. of nitrile.

Eyes: Not relevant during normal use. Safety goggles (EN 16321-1) when there is risk of eye contact.

Environmental exposure controls: None particular.

## SECTION 9: Physical and chemical properties

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

Physical state:	Cat. No. 4120: Lyophilized powder. Cat. No. 4610: Off-white to light brown powder
Colour:	None
Odour:	None
Melting point / freezing point (°C):	No available data
Initial boiling point and boiling range (°C):	No available data
Flammability (solid, gas):	Not relevant
Lower and upper explosion limit (vol.-%):	Not relevant
Flash point (°C):	Not relevant
Auto-ignition temperature (°C):	Not relevant
Decomposition temperature (°C):	No available data
pH:	No available data
Kinematic viscosity:	No available data
Solubility:	Completely soluble in water
Partition coefficient: n-octanol/water, Log K <sub>ow</sub> :	No available data
Vapour pressure (hPa, 20°C):	No available data
Density and/or relative density (g/cm <sup>3</sup> ):	No available data
Particle characteristics:	No information/Not relevant - liquid

### 9.2. Other information

None relevant

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No available data.

### 10.2. Chemical stability

Stable under normal conditions - see section 7.

### 10.3. Possibility of hazardous reactions

None known

### 10.4. Conditions to avoid

Excessive heating and freezing

### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

None known.

## SECTION 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 sensitization:	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.

No declarable substances.

Information on likely routes of exposure: Skin and ingestion.

Symptoms:

Inhalation:	Inhalation is unlikely when used as recommended.
Skin:	May cause slight irritation.
Eyes:	May cause slight irritation.
Ingestion:	May cause slight irritation of the gastrointestinal tract.
Chronic effects:	None known.

### 11.2. Information on other hazards:

None known

## SECTION 12: Ecological information

### 12.1. Toxicity

No declarable substances.

### 12.2. Persistence and degradability

No declarable substances.

### 12.3. Bioaccumulative potential

No declarable substances.

### 12.4. Mobility in soil

No available or applicable data.

### 12.5. Results of PBT and vPvB assessment

No ingredients are PBT/vPvB, according to the criteria in Regulation 2023/707.

### 12.6. Endocrine disrupting properties:

None known.

### 12.7. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

**EWC-code:**

16 05 09 (mixture itself)

15 02 03 (Paper towel, inert material etc. contaminated with the mixture)

## SECTION 14: Transport information

Not dangerous goods according to ADR/RID/IMDG/IATA

**14.1. UN number or ID number:** None

**14.2. UN proper shipping name** None

**14.3. Transport hazard class(es)** None

**14.4. Packing group** None

**14.5. Environmental hazards** None

**14.6. Special precautions for user** None

**14.7. Maritime transport in bulk according to IMO instruments** Not relevant

## SECTION 15: Regulatory information

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

None

**15.2. Chemical safety assessment**

No CSR

## SECTION 16: Other information

### Abbreviations:

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

### Literature:

ECHA = European Chemicals Agency

### Training advice:

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

### Other information:

This Safety Data Sheet is intended as a service to customers/users of this product.

### Changes since the previous edition:

2, 12

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