

Safety Data Sheet

According to (EC) No. 1907/2006
Day of issue: 29. April 2019
Day of revision: 23. November 2022

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

Enhanced Strept-HRP, Cat. No. 4745

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): altox@altox.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 Annex XIII.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2017/2100 or Regulation 2018/605.

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 (EN374) e.g. of nitrile.

Eyes: Not relevant during normal use. Safety goggles (EN166) 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 Cat. No. 4745: Liquid
Colour:	None
Odour:	None
Melting point / freezing point (°C):	No available data
Initial boiling point and boiling range (°C):	Cat. No. 4745: ~ 100
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_{ow} :	No available data
Vapour pressure (hPa, 20°C):	No available data
Density and/or relative density (g/cm ³):	Cat. No. 4745 ~ 1
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 REACH Annex XIII.

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:

1-16 (2020/878)

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