Safety Data Sheet

According to (EC) No. 1907/2006
Day of issue: 29 April 2019
Day of revision: 20 September 2021

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

1.1. Product identifier
Labels & Conjugates
Enhanced Strept-HRP, Cat. No. 4740
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
UK NHS: Dial 111 or 0845 4647

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
CLP (1272/2008): None
2.2. Label elements
EUH208: Contains CMIT/MIT*. May produce an allergic reaction.
EUH210: Safety data sheet available on request.
2.3. Other hazard
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

% w/w	Substance Name	CAS-no.	EC-no.	Index-no.	REACH reg.-no.	Classification
<0.0015	CMIT/MIT*	55965-84-9	-	613-167-00-5	-	Skin Corr. 1C;H314 Skin Sens. 1A;H317 Eye Dam. 1;H318 Acute Tox. 3;H301 Acute Tox. 2;H310+H330 Aquatic Acute 1;H400 (M=100) Aquatic Chronic 1;H410 (M=100)

* CMIT/MIT = reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)
SCL (Specific Concentration limits) classification: Skin Sens. 1A;H317: C ≥ 0,0015%; Skin Corr. 1C;H314: C ≥ 0,6; Eye Dam. 1;H318: C ≥ 0,6; Eye Irrit. 2;H319: 0,06% < C < 0,6%; Skin Irrit. 2;H315: 0,06% < C < 0,6%.
ATE (inhalation) = 0,05 mg/l/4H (dust); ATE (dermal) = 50 mg/kg; ATE (oral) = 100 mg/kg.
Wording of hazard statements - see section 16

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. In case of rash, wound, or other skin irritation: 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, lungs and gastrointestinal tract. May cause an allergic reaction.

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.

7.2. Conditions for safe storage, including any incompatibilities

At 2-8°C. Keep container closed when not in use. Protected against light.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits (EH40/2018): None

DNEL/PNEC: No CSR.

8.2. Exposure controls

Appropriate engineering controls: None particular.

Personal protective equipment:

Inhalation: Not relevant during normal use.

Skin: In case of prolonged or repeated work: Wear protective gloves (EN374) e.g. of nitrile. Breakthrough time: approximately 3 hours.

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:	Liquid
Colour:	None
Odour:	None
Melting point / freezing point (°C):	No available data
Initial boiling point and boiling range (°C):	~ 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):	~ 1
Particle characteristics:	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.

Hazard class	Data (CMIT/MIT)	Test	Data source
Acute toxicity:			
Inhalation	LC_{50} (rat) > 4.62 mg/l/4H (vapours)	No info	EU Biocide
Dermal	LD_{50} (rabbit) = 660 mg/kg	No info	EU Biocide
Oral	LD_{50} (rat) = 457 mg/kg	No info	EU Biocide
Corrosion/irritation:	Corrosive, rabbit	OECD 404	EU Biocide
Sensitization:	Skin sensitization	Buehler	EU Biocide
CMR:	No available or applicable data.	-	-

Information on likely routes of exposure: Skin, lungs and ingestion.

Symptoms:

Inhalation: Inhalation of atomized liquid may cause irritation of the upper respiratory tract.
Skin: May cause irritation with redness.
Eyes: May cause irritation with redness.
Ingestion: Ingestion of large amounts can cause irritation with nausea and stomach ache.
Chronic effects: Frequent contact with skin may cause sensitization. Symptoms are redness, swelling and itching.

11.2. Information on other hazards:

None known

SECTION 12: Ecological information

12.1. Toxicity

Aquatic	Data (CMIT/MIT)	Test (Media)	Data source
Fish	LC_{50} (Salmo gairdneri, 96h) = 0.19 mg/l	No info	EU Biocide
Crustacean	EC_{50} (Crassostrea virginica, 48h) = 0.028 mg/l	No info	EU Biocide
Algae	EC_{50} (Selenastrum cap. 72h) = 0.018 mg/l	No info	EU Biocide

12.2. Persistence and degradability

CMIT/MIT is not readily biodegradable (<56%, 28d, OECD 301B).

12.3. Bioaccumulative potential

CMIT/MIT: $1 < \text{Log } K_{ow} < 3$ – Possible moderate bioaccumulative.

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

Hazard statements mentioned in section 3:
H301: Toxic if swallowed.
H310: Fatal in contact with skin.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H330: Fatal if inhaled.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
EUH071: Corrosive to the respiratory tract.
EUH208: Contains ... May produce an allergic reaction.
EUH210: Safety data sheet available on request.
Abbreviations:
CMR = Carcinogenicity, mutagenicity and reproductive toxicity.
CSR = Chemical Safety Report
DNEL = Derived No-Effect Level
EC50 = Effect Concentration 50 %
FW = Fresh Water
LC_{50} = Lethal Concentration 50 %
LD_{50} = Lethal Dose 50 %
PBT = Persistent, Bioaccumulative, Toxic
PNEC = Predicted No-Effect Concentration
vPvB = very Persistent, very Bioaccumulative
Literature:
ECHA = = European Chemicals Agency
EU Biocide = Assessment Report for CMIT/MIT
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.
Changes since the previous edition:
1-16 (2020/878)

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