

# Safety Data Sheet

According to (EC) No. 1907/2006

Day of issue: 06. April 2021

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

### 1.1. Product identifier

#### Buffers & Stabilizers

Synthetic Blocker, ELISA, Cat. No. 4520

HRP-StabilPLUS, Cat. No. 4530

AP-StabilPLUS, Cat. No. 4540

Synthetic Blocker, Blotting, Cat. No. 4650

Protein-StabilPLUS, Cat. No. 4720

HRP-StabilPLUS2, Cat. No. 4730

UNI-StabilPLUS, Cat. No. 5230

Sample X-tra, Cat. No. 5350

### 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](mailto: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 hazards

None known

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

% w/w	Substance Name	CAS-no.	EC-no.	Index-no.	REACH reg.-no.	Classification
<15 ppm	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 Acute Tox. 2;H330 Aquatic Acute 1;H400 (M=100) Aquatic Chronic 1;H410 (M=100) EUH071

\* 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)

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**

Appearance:	Liquid Cat. No. 4530, 4720: Yellow/brown slightly cloudy liquid. Cat. No. 4520, 4650, 4781: Colourless to light yellow liquid.
Odour:	None
Odour threshold:	Not relevant
pH:	Cat. No. 4530, 4720: 6.8-7.2 Cat. No. 4520, 4650, 4781: 7.2
Melting point / freezing point (°C):	No available data
Initial boiling point and boiling range (°C):	~ 100
Decomposition temperature (°C):	No available data
Flash point (°C):	Not relevant
Evaporation rate:	No available data
Flammability (solid, gas):	Not relevant
Upper/lower flammability or explosive limits (vol.-%):	Not relevant
Vapour pressure (hPa, 20°C):	No available data

**SECTION 9: Physical and chemical properties (continued)**

Vapour density (air=1):	No available data
Relative density (g/cm <sup>3</sup> ):	~ 1
Solubility:	Completely soluble in water
Partition coefficient: n-octanol/water, Log K <sub>ow</sub> :	No available data
Auto-ignition temperature (°C):	Not relevant
Viscosity:	No available data
Explosive properties:	Not relevant
Oxidising properties:	Not relevant

**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 toxicological effects**

Hazard class	Data (CMIT/MIT)	Test	Data source
Acute toxicity:			
Inhalation	LC <sub>50</sub> (rat) > 4.62 mg/l/4H (vapours)	No info	EU Biocide
Dermal	LD <sub>50</sub> (rabbit) = 660 mg/kg	No info	EU Biocide
Oral	LD <sub>50</sub> (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.

**SECTION 12: Ecological information****12.1. Toxicity**

Aquatic	Data (CMIT/MIT)	Test (Media)	Data source
Fish	LC <sub>50</sub> (Salmo gairdneri, 96h) = 0.19 mg/l	No info	EU Biocide
Crustacean	EC <sub>50</sub> (Crassostrea virginica, 48h) = 0.028 mg/l	No info	EU Biocide
Algae	EC <sub>50</sub> (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:  $1 < \log K_{ow} < 3$  – 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. 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** 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. Transport in bulk according to Annex II of Marpol and the IBC Code** 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.

H330: Fatal if inhaled.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

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<sub>50</sub> = Lethal Concentration 50 %

LD<sub>50</sub> = 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.

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