Safety Data Sheet

According to (EC) No. 1907/2006
Day of issue: 18. August 2020
Day of revision: 18. August 2020

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
MultiBOOSTER, Cat. No. 5340
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

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

<table>
<thead>
<tr>
<th>% w/w</th>
<th>Substance Name</th>
<th>CAS-no.</th>
<th>EC-no.</th>
<th>Index-no.</th>
<th>REACH reg.-no.</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;15 ppm</td>
<td>CMIT/MIT*</td>
<td>55965-84-9</td>
<td>-</td>
<td>613-167-00-5</td>
<td>-</td>
<td>Skin Corr. 1C;H314</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1A;H317</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1;H318</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>Acute Tox. 3;H301</td>
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<td></td>
<td></td>
<td></td>
<td>Acute Tox. 2;H310</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td>Acute Tox. 2;H330</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1;H400 (M=100)</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1;H410 (M=100)</td>
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<tr>
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<td></td>
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<td></td>
<td>EUH071</td>
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</tbody>
</table>

* 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: Not 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/cm³): ~1
Solubility: Completely soluble in water
Partition coefficient: n-octanol/water, Log \( K_{ow} \): 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

<table>
<thead>
<tr>
<th>Hazard class</th>
<th>Data (CMIT/MIT)</th>
<th>Test</th>
<th>Data source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>LC₅₀ (rat) &gt; 4.62 mg/l/4H (vapours)</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD₅₀ (rabbit) = 660 mg/kg</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>Oral</td>
<td>LD₅₀ (rat) = 457 mg/kg</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>Corrosion/Irritation</td>
<td>Corrosive, rabbit</td>
<td>OECD 404</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>Sensitization</td>
<td>Skin sensitization</td>
<td>Buehler</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>CMR:</td>
<td>No available or applicable data</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Data (CMIT/MIT)</th>
<th>Test (Media)</th>
<th>Data source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>LC&lt;sub&gt;50&lt;/sub&gt; (Salmo gairdneri, 96h) = 0.19 mg/l</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>Crustacean</td>
<td>EC&lt;sub&gt;50&lt;/sub&gt; (Crassostrea virginica, 48h) = 0.028 mg/l</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>Algae</td>
<td>EC&lt;sub&gt;50&lt;/sub&gt; (Selenastrum cap. 72h) = 0.018 mg/l</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
</tbody>
</table>

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

12.3. Bioaccumulative potential
CMIT/MIT: 1 < Log K<sub>ow</sub> < 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
LC50 = Lethal Concentration 50 %
LD50 = 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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