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

1.1. Product identifier:
HRP-StabilPLUS cat. No. 4530

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 a/s (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:
Altox a/s has concluded that the mixture is not to be classified according to CLP (1272/2008).

2.2. Label elements:
EUH210: Safety data sheet available on request.
EUH208: Contains CMIT/MIT. May produce an allergic reaction.

2.3. Other hazards:
None known.

PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

SECTION 3: Composition/Information on ingredients

3.1. 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. 1A;H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1;H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 3;H301</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 3;H311</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 3;H331</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1;H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1;H410</td>
</tr>
</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: Go to fresh air. Keep at rest. If person feels queasy/discomfort: Seek medical advice.

Skin contact: Remove contaminated clothing and wash skin with water and mild soap.

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

Ingestion: Rinse mouth and drink plenty water. Keep under surveillance. If person feels queasy/discomfort: Seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed:
May cause slight irritation of skin, eyes, lungs and gastrointestinal tract. May cause 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.

Trade name: HRP-StabilPLUS
SECTION 5: Fire-fighting 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 contaminates 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. Close container after use to avoid spillage.

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:
DNEL/PNEC: No CSR.

8.2. Exposure controls:
Appropriate engineering controls: None particular.
Personal protective equipment:
Inhalation: None required.
Skin: Use gloves of plastic or rubber when risk of contact. Breakthrough time: approximately 3 hours.
Eyes: Wear safety goggles when risk of splashes.
Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:
Appearance: Liquid
Odour: None
Odour threshold: No available data
pH (concentrate): No available data
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): No available data
Evaporation rate: No available data
Flammability (solid, gas): Not relevant
Upper/lower flammability or explosive limits (vol.-%): No available data
Vapour pressure (hPa, 20°C): No available data
Vapour density (air=1): No available data
SECTION 9: Physical and chemical properties (continued)

Relative density (g/ml): ~ 1
Solubility: Completely soluble in water
Partition coefficient: n-octanol/water, Log K_{ow}: No available data
Auto-ignition temperature (°C): No available data
Viscosity: No available data
Explosive properties: Not relevant
Oxidising properties: Not relevant
9.2. Other information:

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>LD_{50} (rat) = &gt; 4.62 mg/l/4h</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD_{50} (rabbit) = 660 mg/kg</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>Oral</td>
<td>LD_{50} (rat) = 53 mg/kg</td>
<td>No info</td>
<td>RTECS</td>
</tr>
<tr>
<td>Corrosion/irritation:</td>
<td>Skin and eye corrosion, rabbit</td>
<td>Draize</td>
<td>IUCLID</td>
</tr>
<tr>
<td>Sensitization:</td>
<td>Skin sensitising</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:
Eyes: May cause irritation with redness.
Skin: May cause irritation with redness.
Inhalation: Inhalation of atomized liquid may cause irritation of the upper respiratory tract.
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>Aquatic</th>
<th>Data (CMIT/MIT)</th>
<th>Test (Media)</th>
<th>Data source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>LC50 (Salmo gairdneri, 96h) = 0.19 mg/l</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>Crustaceans</td>
<td>EC50 (Crassostrea virg. 48h) = 0.028 mg/l</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
<tr>
<td>Algae</td>
<td>EC_{50} (Selenastrum cap. 72h) = 0.018 mg/l</td>
<td>No info</td>
<td>EU Biocide</td>
</tr>
</tbody>
</table>
SECTION 12: Ecological information (continued)
12.2. Persistence and degradability:
CMIT/MIT is not rapidly degradable
12.3. Bioaccumulative potential:
CMIT/MIT: Log $K_{ow}$ > 5 - Significant bioaccumulation.
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:
Waste should not be disposed of by release to sewers. The chemical must be treated as hazardous waste. Disposal should be according to local, state or national legislation.
EWC-code: 16 05 09

SECTION 14: Transport information
Not dangerous goods according to ADR/RID/IMDG/IATA.
14.1. UN-no.: 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 73/78 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.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Abbreviations:
CMR = Carcinogenicity, mutagenicity and reproductive toxicity.
CSR = Chemical Safety Report
DNEL = Derived No-Effect Level
EC$_{50}$ = 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
SECTION 16: Other information (continued)

Literature:
RTECS = Register of Toxic Effects of Chemical Substances.
IUCLID = International Uniform Chemical Database Information
ECHA = REACH Registration dossier, ECHA homepage.
EU Biocid = 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.

Other information:
Edition no.: 1-2
(Revision) Date: 14. November 2017
Changes since the previous edition: Section 14

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