1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation
Stalosan F

1.2 Relevant identified uses of the substance or mixture and uses advised against Disinfection agent

1.3 Details of the Supplier of the Safety Data Sheet
Supplier: Stormøllen A/S
Ringsbjergvej 16
DK–4682 Tureby
Danmark
Tel: +45 56 28 34 13
Fax: +45 56 28 34 64

1.4 Emergency telephone number

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
2.1.2. Classification according to Directive 1999/45/EC
Not applicable see paragraph 15
Other: Contains Chloramine T may cause allergic reactions.

2.2 Label elements
Not applicable see paragraph 15
Other: Contains Chloramine T may cause allergic reactions.
Safety data sheet are available for professional user

Contains:
Chloramine T

2.3 Other Hazards
None
### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

**Classification according to Directive (EC) No 1999/45**

<table>
<thead>
<tr>
<th>Name</th>
<th>EC-no</th>
<th>CAS-no</th>
<th>Wt %</th>
<th>Symbols</th>
<th>Risk phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron sulphate</td>
<td>231-753-5</td>
<td>7720-78-7</td>
<td>1-2</td>
<td>Xn</td>
<td>R22, R36/38</td>
</tr>
<tr>
<td>Iron oxide *</td>
<td>215-168-2</td>
<td>1309-37-1</td>
<td>&lt; 5</td>
<td>N</td>
<td>R51/53</td>
</tr>
<tr>
<td>Chloramine T</td>
<td>204-854-7</td>
<td>127-65-1</td>
<td>&lt; 0,75</td>
<td>Xn, C</td>
<td>R22, R34, R42, R31</td>
</tr>
</tbody>
</table>

**Classification according to CLP Regulation (EC) No 1272/200**

<table>
<thead>
<tr>
<th>Name</th>
<th>EG-no</th>
<th>CAS-no</th>
<th>Wt %</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron sulphate</td>
<td>231-753-5</td>
<td>7720-78-7</td>
<td>1-2</td>
<td>Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319</td>
</tr>
<tr>
<td>Iron oxide *</td>
<td>215-168-2</td>
<td>1309-37-1</td>
<td>&lt; 5</td>
<td>Aquatic Chronic 2 H411</td>
</tr>
<tr>
<td>Chloramine T</td>
<td>204-854-7</td>
<td>127-65-1</td>
<td>&lt; 0,75</td>
<td>Acute Tox. 4 H302 Skin Corr. 1B H314 Resp. Sens. 1 H334 EUH031</td>
</tr>
</tbody>
</table>

* Official Classification of Iron Oxide missing. Classification retrieved from the Swedish database “Chemical substances”.

#### 4. FIRST AID MEASURES

**4.1 Description of first aid measures**

- **Inhalation**: Fresh air.
- **Ingestion**: Rinse mouth and drink a couple of glasses of water
- **Skin contact**: Wash skin with water.
- **Eye contact**: Wash with water or physiological saline solution for several minutes. Remove contact lenses. Hold eyelids open. If irritation persists: Seek medical attention.

**4.2 The most important symptoms and effects, both acute and delayed**

- **Ingestion**: May cause nausea, vomiting and constipation.
- **Inhalation**: Contains Chloramine T, can cause allergic reactions.
- **Skin contact**: May cause mild skin irritation
- **Eye contact**: May cause redness and irritation.

**4.3 Indication of any immediate medical attention and special treatment needed**

Not applicable

#### 5. FIRE-FIGHTING MEASURES

**5.1 Extinguishing media,**

Not combustible. Choose extinguishing media depending on what is burning in the surroundings.

**5.2 Special hazards arising from the substance or mixture**
From fire may corrosive gases form. Cleanup may be needed after a fire. Also, prevent the extinction water / foam to reach ground water, water, water source, drain and wastewater treatment because the substance may have been contaminated the fire water / foam. Contain, collect and take care of contaminated firefighting water / foam.

5.3 Advice for firefighters
No specific for the product

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment according to section 8.

6.2 Environmental precautions
Avoid spills and / or discharges into the wastewater system. Inform the local authorities if released to the environment.

6.3 Methods and materials for containment and cleaning up
Dispose of waste and residues are taken up and placed in suitable containers with inscription of content. Wash with water.

6.4 Reference to other sections
See Section 8 for personal safety equipment and section 13 for waste disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
See section 8

7.2 Conditions for safe storage, including any incompatibilities
Store in a dry place at room temperature

7.3 Specific end uses
Not relevant

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
See national legislation

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Eye wash equipment should be available at the workplace.

8.2.2 Personal protection equipment
Respiratory protection  In the presence of dust, wear protective mask, type P2S
Skin protection  Use clean working clothes. If necessary, use gloves.
Eye protection  Where necessary use eye protection
9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Form: Powder
Colour: Pinkish
Odour: Slightly acidic
Density: no information
Boiling point: no information
Flash point: no information
pH: approx 3.5
Ignition point: no information
Vapour pressure: no information
Solubility: Slightly soluble

9.2 Other information
None

10. STABILITY AND REACTIVITY

10.1 Reactivity
No information

10.2 Chemical stability
Stable

10.3 Possibility of hazardous reactions
No information

10.4 Conditions to avoid
No information

10.5 Incompatible materials
Not applicable

10.6 Hazardous decomposition products
Not applicable

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Acute toxicity
Ingestion
LD50 Rat: 319 mg / kg bw (Iron sulphate)
LD50 Rat: > 10000 mg / kg bw (Iron oxide)
LD50 Rat: 935 mg / kg bw (Chloramine T)

Skin contact
Dermal LD50 Rabbit: > 154 mg / kg bw (Chloramine T)

Inhalation
LD50 Rat: > 4,2 mg / kg (Chloramine T)

Eye contact
Slightly irritating (Chloramine T)
12. ECOLOGICAL INFORMATION

12.1 Toxicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron sulphate</td>
<td>LC50</td>
<td>Salvelinus fontinalis</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>EC50</td>
<td>Daphnia</td>
<td>48 hours</td>
</tr>
<tr>
<td>Chloramine T</td>
<td>LC50</td>
<td>Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>EC50</td>
<td>Daphnia</td>
<td>48 hours</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Name</th>
<th>Biodegradation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No information</td>
</tr>
</tbody>
</table>

12.3 Bioaccumulative potential

<table>
<thead>
<tr>
<th>Name</th>
<th>LogP_{ow}</th>
<th>BCF</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No information</td>
<td>No information</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil
No additional information

12.5 Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

12.6 Other adverse effects
No additional information

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Not classified as hazardous waste

14. TRANSPORT INFORMATION

14.1 UN-number
Not classified as hazardous goods

14.2 UN proper shipping name
-

14.3 Transport hazard class(es)
-
14.4 Packing group
-
14.5 Environmental hazards
-
14.6 Special precautions for user
-
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Classification according to Directive (EC) No 1999/45

15.2 Chemical Safety Assessment
Chemical Safety Assessment has not been conducted

16. OTHER INFORMATION

Relevant R-phrases and H-statements
R22 Harmful if swallowed.
R31 Contact with acids liberates toxic gas
R34 Causes burns
R36/38 Irritating to eyes and skin
R42 May cause sensitization by inhalation
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H411 Toxic to aquatic life with long lasting effects.
EUH031 Contact with acids liberates toxic gas.