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

1.1. Product identifier
   - Trade name: Staticide®
   - Article number: 81092/81095

1.2. Relevant identified uses of the substance or mixture and uses advised against
   - Identified uses: Anti-static agents

1.3. Details of the supplier of the safety data sheet
   - Company: ESD-Center AB
     - Ringugnsatan 8
     - 21616 MALMÖ
     - Sweden
   - Contact person: Stefan Sjökvist
   - Telephone: +46 (0)40-36 32 40
   - Cell phone: +46 (0)709-57 40 85
   - E-mail: stefan.sjokvist@esd-center.se

1.4. Emergency telephone number
   - Acute cases: Call 112, request poison information.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   - Upon assessment, this mixture is not classified as hazardous according to 1272/2008

2.2. Label elements
   - Hazard pictogram: Not applicable
   - Signal word: Not applicable
   - Hazard statement: Not applicable

2.3. Other hazards
   - Not indicated.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
   - Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUATERNARY AMMONIUM COMPOUNDS</td>
<td></td>
<td>1 - 2.49 %</td>
</tr>
<tr>
<td>WATER</td>
<td></td>
<td>90 - 100 %</td>
</tr>
<tr>
<td>CAS No: 7732-18-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC No: 231-791-2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

SECTION 4: First aid measures

4.1. Description of first aid measures
   - Generally: No special measures are considered to be necessary. If symptoms do occur however, call a doctor/physician.
Upon breathing in
In case of inhaling large amounts of smoke, fog or dust, flush nose, mouth and throat with water. If symptoms occur seek medical advice.

Upon eye contact
For safety reasons, flush eyes with water; If symptoms occur, seek medical advice.

Upon skin contact
Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.

Upon ingestion
Immediately drink a couple of glasses of water or milk. Call a physician.

4.2. Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed
Symptomatic treatment.
When contacting a physician, take this SDS with you.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media
Extinguish with materials intended for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
The product is not hazardous in the flammable sense.
Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.
The product does not oxidise.

5.3. Advice for fire-fighters
In case of fire use a respirator mask.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Keep unauthorized and unprotected people at a safe distance.
Use recommended safety equipment, see section 8.
Do not inhale vapours and avoid contact with skin, eyes and clothes when cleaning up the spillage.
Ensure good ventilation.

6.2. Environmental precautions
At amounts considered in this case, the product may be released into the natural environment without serious environmental consequences. Large emissions should however be reported to the emergency services and the Environment Agency.

6.3. Methods and material for containment and cleaning up
Absorb the liquid with an inert absorbent, vermiculite, for example. Collect the material for disposal at a waste disposal facility.
Contaminated products should be treated as chemical waste and declared as non-hazardous goods.

6.4. Reference to other sections
See section 8 and 13 for personal protection equipment and disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Treat the substance as potentially harmful to health.
Store this product separately from food items and keep it out of the reach of children and pets.
Handle in premises which have modern ventilation standards.
Do not inhale the fumes and avoid exposure to skin, eyes and clothing.
Do not eat, drink or smoke in premises where this product is handled.
Take off work clothes and protective gear before meals.
Wash your hands after using the product.

7.2. Conditions for safe storage, including any incompatibilities
Store in a well-ventilated area, not above eye-level.
Store only in the original package.
Do not store above normal room temperature or in direct sun light.

7.3. Specific end uses
See identified uses in Section 1.2.
SECTION 8: Exposure controls/personal protection

8.1. Control parameters
8.1.1. National limit values
   All ingredients (cf. Section 3) lack occupational exposure limit values.

DNEL
   No data available.

PNEC
   No data available.

8.2. Exposure controls
   In terms of minimizing risks, no special attention is needed for this product besides the general obligations that follow EU directive 89/391 and national occupational legislation.

Eye/face protection
   Eye protection should be worn if there is any danger of direct exposure or splashing.

Skin protection
   Protective gloves are normally not needed due to the properties of this product, but may be necessary for other reasons, e.g. mechanical risks, temperature conditions or microbiological risks.

Respiratory protection
   Respiratory protection is not normally required.

8.2.3. Environmental exposure controls
   No specific measures needed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
   a) Appearance: Form: aqueous solution.
   b) Odour: Not indicated
   c) Odour threshold: Not indicated
   d) pH: 5 - 8
   e) Melting point/freezing point: Not indicated
   f) Initial boiling point and boiling range: 100 °C
   g) Flash point: 100 °C
   h) Evaporation rate: Not indicated
   i) Flammability (solid, gas): Not applicable
   j) Upper/lower flammability or explosive limits: Not indicated
   k) Vapour pressure: Not indicated
   l) Vapour density: Not indicated
   m) Relative density: Not indicated
   n) Solubility: Not indicated
   o) Partition coefficient: n-octanol/water: Not applicable
   p) Auto-ignition temperature: Not indicated
   q) Decomposition temperature: Not indicated
   r) Viscosity: Not indicated
   s) Explosive properties: Not applicable
   t) Oxidising properties: Not applicable

9.2. Other information
   No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
   The product contains no substances which can lead to hazardous reactions at normal use.

10.2. Chemical stability
   The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions
   No hazardous reactions known.

10.4. Conditions to avoid
   No data available.

10.5. Incompatible materials
   None known.

10.6. Hazardous decomposition products
   None under normal conditions.
SECTION 11: Toxicological information

11.1. Information on toxicological effects
   Information on possible health hazards are based on experience and/or toxicological properties of several components in
   the product.
   **Acute toxicity**
   The criteria for classification cannot be considered fulfilled based on available data.
   **Skin corrosion/irritation**
   The criteria for classification cannot be considered fulfilled based on available data.
   **Serious eye damage/irritation**
   The criteria for classification cannot be considered fulfilled based on available data.
   **Respiratory or skin sensitisation**
   The criteria for classification cannot be considered fulfilled based on available data.
   **Germ cell mutagenicity**
   The criteria for classification cannot be considered fulfilled based on available data.
   **Carcinogenicity**
   The criteria for classification cannot be considered fulfilled based on available data.
   **Reproductive toxicity**
   The criteria for classification cannot be considered fulfilled based on available data.
   **STOT-single exposure**
   The criteria for classification cannot be considered fulfilled based on available data.
   **STOT-repeated exposure**
   The criteria for classification cannot be considered fulfilled based on available data.
   **Aspiration hazard**
   The criteria for classification cannot be considered fulfilled based on available data.

SECTION 12: Ecological information

12.1. Toxicity
   No ecological damage is known or expected in the event of normal use.
12.2. Persistence and degradability
   The product degrades in the natural environment.
12.3. Bioaccumulative potential
   Neither this product, nor its contents, accumulates in nature.
12.4. Mobility in soil
   No information about mobility in the nature exists but there is no reason to suppose the product to be ecologically harmful
   because of this.
12.5. Results of PBT and vPvB assessment
   No chemical safety report has been executed.
12.6. Other adverse effects
   Not indicated.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
   **Waste handling of the product**
   The product is not classified as hazardous waste.
   Observe local regulations or contact the supplier for further information.
   See also national waste regulations.

SECTION 14: Transport information

14.1. UN number
   Not classified as dangerous goods
14.2. UN proper shipping name
   Not applicable
14.3. Transport hazard class(es)
   Not applicable
14.4. Packing group
   Not applicable
14.5. Environmental hazards
   Not applicable
14.6. Special precautions for user
Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

14.8 Other transport information
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Not indicated.

15.2. Chemical safety assessment
Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

SECTION 16: Other information

16a. Indication of where changes have been made to the previous version of the safety data sheet
Revisions of this document
Earlier versions
2015-09-17 Revisions of this document has, where not otherwise stated, been caused by changes in the regulations

16b. Legend to abbreviations and acronyms used in the safety data sheet
Explanations of the abbreviations in Section 14
ADR European Agreement concerning the International Transport of Dangerous Goods by Road
RID Regulations concerning the International Transport of Dangerous Goods by Rail
IMDG International Maritime Dangerous Goods Code
ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)
IATA The International Air Transport Association

16c. Key literature references and sources for data
Sources for data
Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2017-10-26.
Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Safety Data Sheet
89/391 COUNCIL DIRECTIVE (89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work
16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification
Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.
16e. List of relevant hazard statements and/or precautionary statements

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment

Warning for misuse
This product is not expected to cause severe harm to humans or the environment. However the manufacturer, the distributor or the supplier cannot be responsible for unusual or criminal use of the product.

Other relevant information

Editorial information
This material safety data sheet has been prepared and checked by KemRisk®, KemRisk Sweden AB, Platensgatan 8, SE-582 20 Linköping, Sweden, www.kemrisk.se