1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF THE COMPANY:

1.1. Product identifier: NDP Air & Surfaces +

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

Use of the substance/preparation: Bactericidal, fungicidal and virucidal disinfectant for Air Conditioning Systems disinfection.

Spanish Ministry of Health register:

Num. Register: 17-20/04-5660

1.3. Details of the supplier of the safety data sheet

Manufacturer: C/Lluçà, 28 5º – 08028 Barcelona (Spain) - vesismin@vesismin.com

Telephone number: +34 934 095 301

Fax: +34 933.396.628

e-mail: vesismin@vesismin.com

1.4. Emergency number: +34 934 095 301 (working hours)

2. HAZARD IDENTIFICATION:

2.1. Classification of the substance or mixture

Classification according to EC Regulation num. 1272/2008 [CLP]

HAZARDOUS TO THE AQUATIC ENVIRONMENT – CHRONIC HAZARD. Category 3 (H412)

2.2. Label elements: according to EC Regulation num. 1272/2008 [CLP]

Hazard pictograms: Non applicable

Signal word: Non applicable

Hazard statements:

• Harmful to aquatic life with long lasting effects (H412)

Precautionary Statements

• Avoid release to the environment (P273)
• Dispose of contents and/or container in accordance with dangerous residues regulations (P501)
• Keep out of reach of children (P102)
• IF ON SKIN: Wash with plenty of soap and water. (P302 + P352)
• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)

2.3. Other hazards

No significant environmental and health risks if used under standard conditions of commercial and industrial use.

PBT: This product is not identified as PBT/vPvB
3. COMPONENT COMPOSITION / INFORMATION

3.2. Substance/Mixture: Mixture

Dangerous components:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS num.</th>
<th>Classification 1272/2008</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Didecyl dimethyl ammonium chloride</td>
<td>7173-51-5</td>
<td>Flam. liq. 3: H226 Acute tox. 4: H302; Skin corr. 1B: H314; Chronic aquatic 1: H410</td>
<td>0.46%</td>
</tr>
<tr>
<td>70%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Phenoxyethanol</td>
<td>122-99-6</td>
<td>Acute tox. 4: H302; Eye irrit. 2: H319</td>
<td>0.10%</td>
</tr>
<tr>
<td>Cinnamaldehyde</td>
<td>104-55-2</td>
<td>Skin corr 2: H315; Skin Sens. 1: H317; Acuatic tox 4: H312</td>
<td>0.02%</td>
</tr>
<tr>
<td>Excipients and water</td>
<td>-</td>
<td>-</td>
<td>csp 100 %</td>
</tr>
</tbody>
</table>

Complete text of Hazard statements indicated in this Section are explained in Section 16.

4. FIRST AID MEASURES:

4.1. Description of first aid measures

First aid measures: Transfer the patient to a non-contaminated atmosphere. Remove stained or splashed clothes. Rinse the eyes with abundant water and soap, do not rub. Do not give anything by oral way. In case of ingestion, do not induce vomiting. Leave the patient resting. Conserve the body temperature. Control the breathing, artificial breathing if necessary. If the person is unconscious, lie it down with the head lower than the rest of the body, and the knees bended. Transfer the patient to a hospital, and bring the label or container if possible. Do not let alone the patient in any case.

4.2. Most important symptoms and effects, both acute and delayed

Effects and symptoms: Non specific effects and/or symptoms are known

The intoxication can produce: eye, skin, mucus, respiratory tract and gastrointestinal irritation.

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

Therapeutic advice: In case of ingestion, consider making an endoscopy. Symptomatic treatment. See section 4.1.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Foam, dry chemical powder, CO₂, sand and water
5.2. Special hazards arising from the substance or mixture
Special exposure hazards arising from the substance or preparation itself, combustion products, or produced gases: Non flammable product. In case of great magnitude fire, amine vapours could be generated.

5.3. Advice for firefighters
Special protective equipment for fire-fighters: Fire-fighters must be provided with adequate protective equipment.

6. ACCIDENTAL RELEASE MEASURES:

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions: Take common precautions

6.2. Environmental precautions
Avoid pouring the product into the public drainage. If the product reaches a river course or a sewer, or it has contaminated the soil or vegetation, warn the Authorities. Collect it in plastic containers and eliminate it in appropriate places.

6.3. Methods and material for containment and cleaning up
Cleaning measures: Do not release product into drainpipes or in the environment. Eliminate the spilled product with materials that act as absorbents (sawdust, peat, or chemical chelating agents). Place the collected product in containers that can be closed. Clean the floor and all objects with this material using a damp cloth. Collect the cleaning materials and deposit them in recipients that can be closed.

6.4. Reference to other sections
Refer to sections 8 and 13 of SDS.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Handling: Take measures to avoid splashing in the eyes and on skin.

7.2. Conditions for safe storage, including any incompatibilities
Storage: Store in high density polypropylene containers. Store at room temperature and avoid extreme temperatures and direct contact with sunlight. Store only in the original containers.

7.3. Specific end use(s)
Air conditioning disinfectant. For professional use only.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Non applicable

8.2. Exposure controls
Hygienic measures: Do not eat, drink or smoke during use.
Exposure control: Avoid spilling, contact with eyes and ingestion.
Equipment to provide adequate personal protection: Hands protection (safety gloves) and eye protection (safety goggles).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Aspect: Liquid, transparent
Odour: without odour
Solubility in water: 100% soluble
pH (100%): 4 – 6 (20 ºC)
Boiling point: 97 – 102 ºC
Density: 0.990 – 1.015 g/cc (20 ºC)
Flammability: non flammable

9.2. Other information
Non applicable

10. STABILITY AND REACTIVITY

10.1. Reactivity
It does not present dangerous reactions. It does not react with acids, bases, organic peroxides, molecules with sulfhydric groups, or heavy metals. Unstable in presence of strong oxidizers and strong alkalins.

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

10.3 Possibility of hazardous reactions
It does not present.

10.4. Conditions to avoid
Non applicable

10.5. Incompatible materials
Non applicable

10.6. Hazardous decomposition products
Non applicable.

11. TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects

**Acute toxicity:**
- **Oral route:** Not harmful by oral ingestion. DL$_{50}$ (oral route) > 2000 mg/kg
- **Inhalation route:** Not applicable.
- **Through skin and/or eyes:**
  - *Skin irritation:* It is not irritating.
  - *Eye irritation:* It is not irritating to the eyes.
  - *Skin sensitisation:* It does not cause hypersensitisation.

**Corrosiveness:** Not corrosive.

**Carcinogenicity:** Not carcinogenic

**Mutagenicity:** Not mutagenic

**Toxicity for reproduction:** Not toxic for reproduction

12. **ECOLOGICAL INFORMATION**

9.2. Other information

**Chronic aquatic toxicity:**
The product is harmful to aquatic life with long lasting effects
In order to avoid human and environmental risks, follow the instructions for use.

12.2. Persistence and degradability
The product has powerful bactericide, virucide and fungicide action, hence it could affect the EDAR microbial flora.
It is a surfactant and can cause foam in EDAR.

12.3. Bioaccumulative potential
Not available.

12.4. Movility in soil
Non applicable

12.5. Results of PBT and vPvB assessment
This product is not identified as a PBT/vPvB substance

12.6. Other adverse effects
Harmful to aquatic organisms

13. **DISPOSAL CONSIDERATIONS**

13.1. Waste treatment methods
The product is harmful to aquatic life with long lasting effects, according to 1272/2008 EC Regulation on classification, labeling and packaging of substances and mixtures.
Product surplus or waste resulting from normal use should be separated and eliminated by specialised companies.
14. TRANSPORT INFORMATION

14.1. UN number
Not applicable
Road/Train transport (ADR/RID): not applicable
Sea transport (IMDG): not applicable
Air transport (IATA): not applicable
The substance is not dangerous for transport (European Agreement on International Transport of Dangerous Goods)

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
Not applicable

14.4. Packaging 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 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
The information for safety and health with respect to the label of this product is in accordance with the European Union regulation: nº 1907/2006, 453/2010 and 830/2015.

15.2. Chemical safety assessment: not required

16. OTHER INFORMATION

Other information: The text in the SDS which has changed since the last version.

Complete text of hazard statements as referred to in sections 2 and 3:

H226: Flammable liquid and vapour
H302: Harmful if swallowed
H312: Harmful in contact with skin
H314: Causes severe skin burns and eye damage
H315: Causes skin irritation
H317: May cause an allergin skin reaction
H319: Causes serious eye irritation
H410: Very toxic to aquatic life with long lasting effects

**Formation advice:**
The product must be handled by specialized personnel, following manufacturer instructions. Changes from last version refer to format and content of EC Regulation 453/2010. Calculation method determination according to 1272/2008 EC Regulation has been used for the classification of the mixture.

**Vesismin S.L.** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose. **Vesismin S.L.** makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, **Vesismin S.L.** will not be responsible for damages resulting from use or reliance upon this information.