

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Air & Surfaces+	Version 09 Date last revision: 10.11.17 SHEET 1 of 7
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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

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Air & Surfaces+	Version 09 Date last revision: 10.11.17 SHEET 2 of 7
--	--	---

3. COMPONENT COMPOSITION / INFORMATION

3.2. Substance/Mixture: Mixture

Dangerous components:

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

*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

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Air & Surfaces+	Version 09 Date last revision: 10.11.17 SHEET 3 of 7
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spray fog.

Extinguishing media that do not have to be used for safety reasons: Not applicable.

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.

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Air & Surfaces+	Version 09 Date last revision: 10.11.17 SHEET 4 of 7
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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 °C)

Boiling point: 97 – 102 °C

Density: 0.990 – 1.015 g/cc (20 °C)

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 sulfhydryc 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

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Air & Surfaces+	Version 09 Date last revision: 10.11.17 SHEET 5 of 7
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11.1. Information on toxicological effects

Acute toxicity:

Oral route: Not harmful by oral ingestion. DL₅₀ (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.

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Air & Surfaces+	Version 09 Date last revision: 10.11.17 SHEET 6 of 7
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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: n° 1907/2006, 453/2010 and 830/2015.

European legislation: Regulation (EC) n° 1272/2008.

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

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Air & Surfaces+	Version 09 Date last revision: 10.11.17 SHEET 7 of 7
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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.

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