

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Med Foam	Version 06 Date last revision: 16.05.17 SHEET 1 of 7
--	---	---

1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND THE COMPANY:

1.1. Product identifier: NDP Med Foam

1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/preparation: Disinfectant for medical devices.

Product classification / Register Number: Medical Device Type IIa. CE mark, given by ON 0476, number: MED 31348

1.3. Details of the supplier of the safety data sheet

Manufacturer: Vesimin S.L. C/Lluçà, 28 5º – 08028 Barcelona
vesimin@vesimin.com

Telephone number: +34 934 095 301

Fax: +34 933 396 628

e-mail: vesimin@vesimin.com

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

Servicio Médico de Información Toxicológica: +34 915 620 420 (Instituto Nacional de Toxicología)

2. HAZARDS IDENTIFICATION:

2.1. Classification of the substance or mixture

Regulation (CE) 1272/2008_CLP
Not classified

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

Hazard pictograms: not applicable

Signal Word: no applicable

Hazard statements: not applicable

Precautionary statements: not applicable

2.3. Other hazards

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

The product is diluted and is not been classified as dangerous.

PBT: This product is not identified as PBT/vPvB

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Substance/Mixture: Mixture

Dangerous components:

Ingredients	CAS num.	Classification 1272/2008	Conc%
N-Duopropenide	308074-50-2	Oral acute tox. Cat. 4:H302, Eye irrit. Cat. 2:H319,	0.46%

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Med Foam	Version 06 Date last revision: 16.05.17 SHEET 2 of 7
--	---	---

		Skin irrit. Cat. 2:H315, Chronic aquatic. Cat 2:H411	
Bis- 3(aminopropyl) dodecylamine	2372-82-9	Oral acute tox. Cat. 3:H301, Skin corrosion. Cat. 1A:H314, STOT SE. Cat.2:H373, Chronic aquatic. Cat. 1:H410	0.2%
Phenoxyethanol	122-99-6	Oral acute tox. Cat. 4:H302 Eye irrit. Cat. 2:H319	0.1%
Excipients and water	-	-	Csp. 100

Complete text of Risk phrases indicated in this Section are explained in Section 16.

4. FIRST AID MEASURES:

4.1. Description of first aid measures

First aid measures:

Swallowing: (*) Rinse mouth with water and require immediately medical assistance. Do not administer anything to an unconscious person.

Inhalation: Not applicable, it doesn't release vapours.

Skin contact: Take off contaminated clothes. In case of skin contact, wash with plenty of water & soap, and seek for medical advice.

Eye contact: Wash with plenty of water for at least 15 minutes. If irritation persists, consult an ophthalmologist.

(*) Information for the doctor: do not induce vomiting. Make a stomach-pumping previous addition of dimeticone (antifoam).

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

Effects and symptoms: No specific effects and/or symptoms are known

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 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 and produced gases: Non flammable product. In case of fire of great magnitude, amine vapours could be generated.

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Med Foam	Version 06 Date last revision: 16.05.17 SHEET 3 of 7
--	---	---

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

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 put them inside containers that can be closed.

Additional information: the product is surfactant, it can produce a great quantity of foam.

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. Do not use or mix with products containing or that release chlorine (hypochlorites) and/or mercurial products, and products that contain anionic surfactants.

7.2. Conditions for safe storage, including any incompatibilities

Storage: Store in high density polyethylene containers. Store at room temperature and avoid extreme temperatures and direct contact with sunlight. Store at an optimal temperature between 10° and 30°C. Store only in original containers.

7.3. Specific end use(s)

Surface disinfectant. For professional use only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Med Foam	Version 06 Date last revision: 16.05.17 SHEET 4 of 7
--	---	---

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, in amber colour – transparent yellow

Odour: Perceptible

pH (100% in water): 6,5 – 8,5 (20 °C)

Water solubility: 100% soluble

Density: 0,90 – 1,10 g/cc (20°C)

Viscosity: 70-120 cP (20 °C)

Boiling point : Approximately 95 °C

Flammability: Non-flammable

(**) pH can be slightly reduced within the course of time, without reduction of germicide effect.

9.2. Other information

Data for Active Substance (N-Duopropenide 45.52%)

Vapour pressure: P_v (20°C) = 24.8 Pa

Octanol-water partition coefficient: $\log P_{ow}$ = 1.66

10. STABILITY AND REACTIVITY

10.1. Reactivity

It does not present dangerous reactions. It does not react with heavy metals, except with mercury. Unstable in presence of strong oxidizers. It is not corrosive on different materials.

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

Avoid temperatures above 30°C and below 0°C

10.5. Incompatible materials

Do not use or mix with products containing or that release chlorine (hypochlorites) and/or mercurial products, and products that contain anionic surfactants.

10.6. Hazardous decomposition products

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Med Foam	Version 06 Date last revision: 16.05.17 SHEET 5 of 7
--	---	---

Non applicable.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Oral route: Harmful by oral ingestion. DL₅₀ (oral route in rodents): > 2000 mg/kg

Inhalation route: Not applicable.

Through skin and/or eyes: DL50 (dermal): > 2000 mg/kg

*Skin irritation: Not classified

*Eye irritation: Not classified

*Skin sensitisation: It does not cause hypersensitisation.

Carcinogenicity: Not carcinogenic

Mutagenicity: Not mutagenic

Toxicity for reproduction: Not toxic for reproduction

12. ECOLOGICAL INFORMATION

12.1. Toxicity

In order to avoid human and environmental risks, follow the instructions for use.

12.2. Persistence and degradability

The product has a high bactericide, virucide, fungicide and sporicide 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

Not available

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

Mobility data for the Active Technical Ingredient (N-Duopropenide / Quaternary ammonium iodides in 45.52 %)

- Adsorption/desorption test: Adsorption coefficient, K': 0.198 / 0.564 / 0.692.
Adsorption coefficient, as organic carbon function K'_{oc}: 7.935 / 22.656 / 27.774. It is demonstrated the high affinity to soils, it is clear that in case of soil contamination, the ground-water contamination risk is very low.
- Octanol-water partition coefficient: log P_{ow} = 1.66

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Med Foam	Version 06 Date last revision: 16.05.17 SHEET 6 of 7
--	---	---

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The product solutions once used can be disposed to the sewer system. Product solutions do not suppose any risk for the Environment according the EC Regulation 1272/2008 on classification, labelling and packaging of substances and mixtures.

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 1272/2008.

15.2. Chemical safety assessment: not required

16. OTHER INFORMATION

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: NDP Med Foam	Version 06 Date last revision: 16.05.17 SHEET 7 of 7
--	---	---

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:

H301: Toxic if swallowed
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H315: Causes skin irritation
H319: Causes serious eye irritation
H373: May cause damage to organs through prolonged or repeated exposure
H410: Very toxic to aquatic life with long lasting effects
H411: 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 Regulation 1272/2008 has been used for the classification of the mixture.

Vesimin 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.

Vesimin 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, Vesimin S.L. will not be responsible for damages resulting from use or reliance upon this information.
