

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: Enzym Med Wipes	Version 3 Date last revision: 09.05.19 SHEET 1 of 7
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1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND THE COMPANY:

1.1. Commercial product name: Enzym Med Wipes

1.2. Use of the substance/preparation: Wipes with enzymatic detergent for Medical Instruments

Product classification: Medical Device type I.

1.3. Manufacturer: VESISMIN S.L. C/Lluçà, 28 5º – 08028 Barcelona

Telephone number: +34 934 095 301

Fax: +34 933 396 628

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

2. HAZARD IDENTIFICATION

2.1. Classification of the mixture

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

Non classified

2.2. Label elements according to CE Directives

Does not require

2.3. Other hazards

Any additional information

PBT: Not identified as substance PBT/vPvB.

3. COMPONENT COMPOSITION / INFORMATION

3.2. Substance/Mixture: Mixture

Contains protease, amylase, lipase and celulase enzymes.

Dangerous components:

Ingredients	Nº CAS/EC	Clasification 1272/CE*	Conc%
Ethylene glycol	107-21-1 / 203-473-3	Acute tox. 4: H302; STOT RE 2: H373	1 – 2.5 %
Alkyldimethylbenzyl ammonium chloride	68424-85-1 / 270-325-2	Met. Corr. 1: H290 Acute tox. 3: H301 Acute tox. 3: H311 Skin Corr. 1C: H314 Eye Dam. 1: H318 Aquatic acute 1: H400	0.1 – 0.5 %

* Complete text of H-phrases indicated in this Section are explained in Section 16.

4. FIRST AID MEASURES

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: Enzym Med Wipes	Version 3 Date last revision: 09.05.19 SHEET 2 of 7
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4.1. Description of first aid measures

General notes.

Do not leave the patient unattended. Move the victim out of the danger area. Keep the affected person warm, immobile and covered. Remove all contaminated clothing immediately. In case of doubt, or if symptoms persist, seek medical attention. If the victim is unconscious, place her in recovery position. Do not give anything by mouth.

First aid measures:

Inhalation: If breathing is irregular or interrupted, seek medical assistance immediately, and start first aid. In case of irritation of the respiratory tract, consult a doctor. Provide fresh air

Eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate abundantly with clean, fresh water for at least 10 minutes, keeping the eyelids open.

Skin contact: Wash thoroughly with soap and water.

Ingestion: Wash your mouth with water (only if the person is conscious). DO NOT induce vomiting.

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

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

4.3. Indications of any immediate medical attention and special treatment needed: no further relevant information available.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Spray water, powder-BC, carbon dioxide (CO₂).

Extinguishing media that do not have to be used for safety reasons: Jet water

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself: Nitrogen oxide (NO_x), carbon monoxide (CO), carbon dioxide (CO₂).

5.3. Advice for firefighters

No special measures required. In case of fire and / or explosion, do not breathe fumes. Coordinate fire-fighting measures. Do not allow water used in the fight against fire between watercourses. Collect contaminated water separately. Fight against fire with normal precautions from a reasonable distance.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personnel not involved in the emergency: move people to a safe place

For emergency personnel: Wear breathing apparatus in case of exposure to vapors / dust / spray / gases.

6.2. Environmental precautions

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: Enzym Med Wipes	Version 3 Date last revision: 09.05.19 SHEET 3 of 7
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Environmental protection measures: Avoid contact with sewage, surface water and groundwater. Hold the wash water and dispose of it as waste.

6.3. Methods and material for containment and cleaning up

Containment measures of a spill: cover the drains

Cleaning methods: Absorb spillage with an absorbent material (eg cloth, wool). Collect the spill (sawdust, diatomaceous earth (kieselguhr), sand, universal binder.

Appropriate containment techniques: Use adsorbent materials

Other information: collect in appropriate containers for disposal. Ventilate the affected area.

6.4. Reference to other sections

Hazardous combustion products: see section 5.

Personal protective equipment: see section 8

Incompatible materials: see section 10

Considerations for disposal: see section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Recommendations

Measures to prevent fire as well as the generation of aerosols and powders

Use local and general ventilation. Use only in well-ventilated areas

Precautions for general occupational hygiene

Wash hands after use. Do not eat, drink or smoke in the work areas. Remove contaminated clothing and contaminated protective equipment before entering food areas. Do not store food or drink in the vicinity of the chemical. Do not place the product in containers that are normally used for food or drinks. Keep away from food, drink and animal feed.

7.2. Conditions for safe storage, including any incompatibilities

Management of associated risks

Incompatible substances or mixtures

Observe suggestions for combined storage

Effects control

Protection against external exposure, such as ice.

7.3. Specific end use(s)

See section 16.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

8.2. Exposure controls

Engineering controls

General ventilation

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: Enzym Med Wipes	Version 3 Date last revision: 09.05.19 SHEET 4 of 7
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Individual protection measures (personal protective equipment)

Personal protective equipment must be used when the risks cannot be avoided or sufficiently limited by technical means or collective protection, or methods or procedures of the organization.

Eye / face protection

Wear eye protection / face

Skin care

- **Other protection measures**

Take recovery periods for skin regeneration. Preventive protection of the skin (creams / barrier ointments) is recommended. Wash hands after handling.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface water and groundwater.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Aspect: Liquid, colour clear, slightly yellow

Odour: Typical

Other physicochemical parameters

pH: not determined

Freezing point: Not determined

Boiling point: >100 °C at 1.013 hPa

Flash point: Not determined

Flammability: not pertinent (fluid). Not flammable

Danger of explosion: Not determined

Vapour pressure at 25°C: not determined

Density (20°C): 1,000 – 1,10 g/cm³

Water solubility: not determined

Partition coefficient n-octanol/water (log Kow): not available

Ignition temperature: not determined

Viscosity: Not determined

Explosive properties: none

Oxidation properties: none

9.2. Other data

Not available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

See below “conditions to avoid” and “incompatible materials”

10.2. Chemical stability

See below “conditions to avoid”

10.3 Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: Enzym Med Wipes	Version 3 Date last revision: 09.05.19 SHEET 5 of 7
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Not known

10.5. Incompatible materials

Additional information not available.

10.6. Hazardous decomposition products

No dangerous decomposition products are known. Hazardous combustion products: see section 5.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

There is no test data for the complete mixture

Classification procedure

The method of classification of the mixture is based on the ingredients of the mixture (addition formula)

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Not classified for acute toxicity

Irritation / corrosion of the skin

Not classified as corrosive/irritating to the skin

Serious eye damage / eye irritation

Not classified as causing serious eye damage or irritating to the skin

Respiratory or skin sensitization

It is not classified as respiratory or skin sensitizer

Summary of the evaluation of CMR properties

It is not classified as mutagenic of the cells, carcinogenic or as toxic for reproduction

Toxicity to specific organs (STOT)

Toxicity to specific organs - single exposure

It is not classified

Toxicity to specific organs - repeated exposure

May cause organ damage due to prolonged or repeated exposure

Aspiration hazard

It is not classified

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Not classified as dangerous for the aquatic environment.

Biodegradation

Relevant substance of the mixture are readily biodegradable

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

PBT: not applicable

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: Enzym Med Wipes	Version 3 Date last revision: 09.05.19 SHEET 6 of 7
--	--	--

vPvB: not applicable

12.6. Other adverse effects: no information available.

13. DISPOSAL CONSIDERATIONS

13.1. Methods for waste treatment

Relevant information waste disposal

Avoid release to the environment. Refer to special instructions / safety data sheets

Treatment of packaging waste

Completely empty containers can be recycled

Observations

Consider national and regional requirements. The waste must be separated into categories that can be managed separately by local or national waste management facilities

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 and 453/2010 and 830/2015.

Reference: Regulation (EC) 1907/2006 453/2010	MATERIAL SAFETY DATA SHEET (MSDS) Product: Enzym Med Wipes	Version 3 Date last revision: 09.05.19 SHEET 7 of 7
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15.2. Chemical safety assessment: not required

16. OTHER INFORMATION

Other information: Text indicated show the changes from the last revision

Abbreviations and acronyms

CMR: Carcinogenic, Mutagenic or Toxic to the Reproduction
MARPOL: International agreement to prevent contamination by boats
(abbreviation from "Marine Pollutant")
vPvB: Very persistent and very bioaccumulating
PBT: Persistent, Bioaccumulable and Toxic

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 1278/2008 has been used for the classification of the mixture.

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