

Reference: Regulation (EC) 1907/2006 453/2010	<b>MATERIAL SAFETY DATA SHEET</b> (MSDS) Product: <b>Gel Derm</b>	Version 12 Date last revision: 28.10.20 SHEET 1 of 8
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## 1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF THE COMPANY:

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**1.1. Product identifier:** Gel Derm

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

**Use of the substance:** Hidro-alcoholic solution for hand disinfection.

**Spanish Ministry of Health register:**

**Register num. DGFyPS:** 729-DES

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer:** Vesismin S.L. C/Lluçà, 28 5º - 08028 Barcelona (Spain)

vesismin@vesismin.com

**Telephone number:** +34 934 095 301

**Fax:** +34 933 396 628

**e-mail:** [vesisimin@vesismin.com](mailto:vesisimin@vesismin.com)

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

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## 2. HAZARD IDENTIFICATION:

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**2.1. Classification of the substance or mixture**

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

LIQUID FLAMMABLE. Category 2 (H225)

EYE IRRITATION. Category 2 (H319)

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

Hazard pictograms:



Signal word: DANGER

Hazard statements:

- Highly flammable liquid and vapour (H225)
- Causes serious eye irritation (H319)

Precautionary Statements

- Keep away from heat/sparks/open flames/hot surfaces. — No smoking. (P210)
- Keep container tightly closed (P233)
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)
- If eye irritation persists: Get medical advice/attention. (P337+P313)
- Store in a well-ventilated place. Keep cool. (P403+P235)
- Dispose of contents and container in accordance with local regulations (P501)

**2.3. Other hazards**

Flammable (contains ethyl and isopropyl alcohol). Wait until total evaporation.

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

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**PBT:** This product is not identified as PBT/vPvB

### 3. COMPONENT COMPOSITION / INFORMATION

#### 3.2. Substance/Mixture: Mixture

##### Dangerous components:

Ingredient	CAS num.	Classification* 1272/2008	Concentration
Ethyl alcohol	64-17-5	Flam. liq. 2: H225	60% (v/v)
Isopropyl alcohol	67-63-0	Flam. liq 2: H225 Eye Irrit.2: H319 STOT SE 3: H336	15% (v/v)
Excipients (panthenol, glicerin, perfum) and water		-	qsf 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:

**Swallowing:** (\*) Rinse mouth with water and require immediately medical assistance. If the patient is conscious, give him water.

**Inhalation (ethanol):** Transfer the victim to a non contaminated atmosphere. In case of breathing interruption, apply artificial respiration. Maintain the victim in repose and seek for medical advice.

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

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

**Effects and symptoms:** No specific effects and/or symptoms are known. Hazards derived from ethanol and isopropyl alcohol: headaches, vertigo, narcosis, drowsiness. The swallowing can cause inebriation, coma. Skin, eye and respiratory tract irritation.

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

See section 4.1.

### 5. FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media:** Foam, dry chemical powder, CO<sub>2</sub>, sand and water spray fog.

#### 5.2. Special hazards arising from the substance or mixture

**Special hazards of fire/explosion:** Extremely flammable product with heat, sparks,

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static electricity or flammes. Vapor/air mixtures are explosive.

**Special measures:** Cool the bottles pulverizing water to them if they are exposed to fire. Do not use a jet of water. Keep away from sources of ignition – Do not smoke.

### 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. Extinguish the flames. Eliminate ignition sources. Do not smoke. Avoid sparks.

### 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 floor and all objects with this material using a damp cloth. Collect the cleaning materials and put them inside containers 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 polyethylene containers or PET. 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)

Antiseptic for healthy skin. For professional use only.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Threshold Limit Value (TLV) of Isopropyl alcohol: The ACGIH recommends a TWA of 400 ppm (980 mg/m<sup>3</sup>) and a STEL of 500 ppm (1225 mg/m<sup>3</sup>).

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Threshold Limit Value (TLV) of Ethyl alcohol: The ACGIH recommends a TWA of 1000 ppm (1880 mg/m<sup>3</sup>).

## 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:** Non specific protection equipment is required.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Aspect:** Transparent liquid gel

**Odour:** characteristic (alcohol)

**pH:** 5.5-7.5 (20 °C)

**Solubility in water:** 100% soluble (20 °C)

**Density:** 0.80 – 1.00 g/cc (20 °C)

**Flammability:** Flammable

Closed flash point: 11°C

### 9.2. Other information

#### Data for Ethyl Alcohol

**Flash Point:** 13 °C

**Relative density of vapour:** 1.59

**Octanol-water partition coefficient:** log P<sub>ow</sub> = 0.32

#### Data for Isopropyl Alcohol

**Flash Point:** 12 °C

**Relative density of vapour:** > 1.0

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Ethyl alcohol. Reacts with strong oxidizers, nitric acid, perchlorates, peroxydes and in general with all unstable organic components. Reacts with alcalin metals, liberating hydrogen in a violent reaction.

### 10.2. Chemical stability

Product is stable in recommended conditions of handling and storage.

Isopropyl alcohol. Reacts with strong oxidizers.

### 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.

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## 11. TOXICOLOGICAL INFORMATION

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## 11.1. Information on toxicological effects

### Acute toxicity:

Oral route: Not harmful by oral ingestion. DL<sub>50</sub> (oral route) > 2000 mg/kg

#### Inhalation route:

Isopropyl alcohol: The ACGIH recommends a TLV-TWA of 400 ppm (980 mg/m<sup>3</sup>) and a STEL of 500 ppm (1225 mg/m<sup>3</sup>).

Ethyl alcohol: The ACGIH recommends a TWA of 1000 ppm (1880 mg/m<sup>3</sup>).

These values are not exceeded during the use of the product, according to the expected use of the product.

#### Through skin and/or eyes:

\*Skin irritation: It is not irritating.

\*Eye irritation: It is 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

### 12.1. Toxicity:

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.

### 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

Not applicable

#### Isopropyl alcohol

- *Mobility:*
  - The product is soluble in water and it will probably remain in water.
- *Persistence and degradability:*
  - Easily biodegradable, according to OECD standards.
  - Easily eliminated in a sewage treatment.
- *Bioaccumulation:*
  - A low acute toxicity is predicted for aquatic organisms.

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- No long-term effects are predicted for aquatic organisms.

#### Ethyl alcohol

- *Mobility:*
  - The product is volatile/gaseous and it easily goes into the air. The product dissolves quickly in water. The product is not well absorbed in soils or sediments.
- *Persistence and degradability:*
  - The product is easily biodegradable. DBO5=37-74% of DTO. DBO20=75-84% of DTO.
- *Bioacumulación:*
  - The product does not bioaccumulate.
  - LC<sub>50</sub>-48h > 8000 mg/l in Fish.
  - LC<sub>50</sub>-48h > 9000 mg/l in Rats.
  - Limit toxicity concentration in seaweed (test of inhibition of citomultiplication) = 5000 mg/l.
  - Bacterial inhibition test have shown that the product does not inhibit the biomass.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

It is recommended to package product surplus or waste resulting from normal use. Label it for identification purposes and seal it. Dirty, empty recipients should be handled in the same manner. The product may be taken to a controlled incineration site, always according to local regulations.

### 14. TRANSPORT INFORMATION

#### 14.1. UN number

1993

#### 14.2. UN proper shipping name

Flammable liquid, n.e.p. (contains isopropanol and ethanol)

#### 14.3. Transport hazard class(es)

Class 3

#### 14.4. Packaging group

Group II

#### 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

#### ADR Classification:

- ONU number: 1993
- Class: 3
- Classification code: F1
- Packaging group: II

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- Label: 3 (Flammable)
- Risk:30

**MDG Classification:**

- Class: 3

**Air (IATA/ICAO):**

ONU 1993 – Flammable liquid n.e.p.

Label: Flammable liquid

Class 3

Special provisions A3

Packaging group II

Passenger aircraft: Packaging instructions 355/Y344

Max. net quantity 60L/10L

Cargo aircraft: Packaging instructions 366

Max. net quantity 220L

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**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

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**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:**

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness

**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 (EC) 1272/2008 has been used for the classification of the mixture.

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