SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Myxal Sept Gel

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture
Hand disinfectant

1.3. Details of the supplier of the safety data sheet
Company name: Peter Greven Physioderm GmbH
Street: Procter-&Gamble-Straße 26
Place: D-53881 Euskirchen
Telephone: +49 (0)2253/3130
Telefax: +49 (0)2253/313194
e-mail: info@pgp-hautschutz.de
Responsible for the safety data sheet: sds@gbk-ingelheim.de
Responsible Department: INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
England and Wales: NHS Direct - 0845 4647; Scotland: NHS 24 - 08454 24 24 24

1.4. Emergency telephone number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture according to 1272/2008/EC
Hazard categories:
- Flammable liquid: Flam. Liq. 2
- Serious eye damage/eye irritation: Eye Irrit. 2
- Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:
- Highly flammable liquid and vapour.
- Causes serious eye irritation.
- Harmful to aquatic life with long lasting effects.

2.2. Label elements
Signal word: Danger
Pictograms:

Hazard statements
- H225: Highly flammable liquid and vapour.
- H319: Causes serious eye irritation.
- H412: Harmful to aquatic life with long lasting effects.

Precautionary statements
- P102: Keep out of reach of children.
- P101: If medical advice is needed, have product container or label at hand.
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P501: Dispose of contents/container to approved disposal company or local collection.

2.3. Other hazards
Vapours may form explosive mixture with air.

SECTION 3: Composition/information on ingredients
### 3.2. Mixtures

**Chemical characterization**

Alcoholic solution

**Hazardous components**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>Ethanol 80 %</td>
<td>80 %</td>
</tr>
<tr>
<td>200-578-6</td>
<td>603-002-00-5</td>
<td>01-2119457610-43</td>
</tr>
<tr>
<td>112-72-1</td>
<td>Tetradecanol</td>
<td>&lt; 2,5 %</td>
</tr>
<tr>
<td>204-000-3</td>
<td></td>
<td>01-2119485910-33</td>
</tr>
</tbody>
</table>

Classification according to Regulation (EC) No. 1272/2008 [CLP]

- Flam. Liq. 2, Eye Irrit. 2; H225 H319
- Eye Irrit. 2, Aquatic Chronic 1; H319 H410

Full text of H and EUH statements: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information**

Remove contaminated soaked clothing immediately. If you feel unwell, seek medical advice.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours. In the event of symptoms refer for medical treatment.

**After contact with skin**

Consult a doctor if skin irritation persists.

**After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Seek medical treatment immediately. If swallowed or in the event of vomiting, risk of entering the lungs.

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

Causes serious eye irritation. Inhalation of vapours in high concentration can cause narcotic effects. May cause irritation of the mucous membranes.

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

Treat symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**

Alcohol-resistant foam, dry chemical, carbon dioxide (CO2), water-spray.

**Unsuitable extinguishing media**

Full water jet.

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

Fire may produce:
- Carbon monoxide and carbon dioxide
- Risk of formation of toxic pyrolysis products.

#### 5.3. Advice for firefighters

Use breathing apparatus with independent air supply. Protective suit.
Additional information
Vapours are heavier than air and spread along ground.
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.
Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
In case of vapour formation use respirator.
Ensure adequate ventilation.
Use personal protective clothing.
Keep away sources of ignition.

6.2. Environmental precautions
Do not discharge into the drains/surface waters/ground water.

6.3. Methods and material for containment and cleaning up
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.

6.4. Reference to other sections
Observe protective instructions (see Sections 7 and 8).
Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Use only in well-ventilated areas.
Use solvent-resistant equipment.
Avoid spilling or spraying in enclosed areas.

Advice on protection against fire and explosion
Keep away from sources of ignition - No smoking.
Take measures against electrostatically charging.
Vapours are heavier than air and spread along ground.
Vapour/air mixture is explosive, even in empty uncleaned receptacles.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep container tightly closed in a dry, cool and well-ventilated place.
Protect containers from heat / overheating.
Keep only in original container.

Advice on storage compatibility
Incompatible with oxidizing agents.

Further information on storage conditions
Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)
Hand disinfectant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Exposure limits (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>Ethanol</td>
<td>1000</td>
<td>1920</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>56-81-5</td>
<td>Glycerol, mist</td>
<td>-</td>
<td>10</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls
Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures
Do not breath vapours or spray mist.
When using do not eat, drink or smoke.
Avoid contact with eyes.
Remove and wash contaminated clothes before re-use.

Eye/face protection
If used properly, no need to wear eye protection. Otherwise wear protective goggles with integrated side shields.

Skin protection
Long sleeved clothing (EN 368).

Respiratory protection
No personal respiratory protective equipment normally required.
In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Gel
Colour: Colourless
Odour: Alcoholic

pH-Value (at 20 °C): 7,5 - 8,5

Changes in the physical state
Melting point: < - 20 °C
Initial boiling point and boiling range: approx. 85 °C
Flash point: 14 °C
Lower explosion limits: 3,5 vol. %
Upper explosion limits: 15 vol. %
Ignition temperature: > 425 °C
Density (at 20 °C): 0,833 - 0,843 g/cm³
Water solubility: Miscible
( at 20 °C)
Viscosity / dynamic: approx. 250 mPa·s
( at 20 °C)

9.2. Other information
No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No decomposition if stored and applied as directed.

10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
Reactions with oxidizing agents.

10.4. Conditions to avoid
Vapour/air mixtures are explosive at intensive warming. Heating can release vapours which can be ignited.

10.5. Incompatible materials
oxidizing agents

10.6. Hazardous decomposition products
Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity
Based on available data, the classification criteria are not met. LD50/oral/rat: > 10 g/kg (OECD 401)

Irritation and corrosivity
Causes serious eye irritation. Skin corrosion/irritation: Based on available data, the classification criteria are not met. Skin irritation: Not classified.

Sensitising effects
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure
Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Additional information on tests
Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

Practical experience

Other observations
Inhalation of vapours in high concentration can cause narcotic effects. Components of the product may be absorbed into the body through the skin. May cause irritation of the mucous membranes.

SECTION 12: Ecological information

12.1. Toxicity
Ecological data are not available. Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability
No data available. Ethanol: Readily biodegradable (to OECD criteria).

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

12.6. Other adverse effects
Product can contain organically bound halogen and contribute to the adsorbable organic halogen
value.
Low hazard to waters.

Further information
Ecological injuries are not known or expected under normal use.
Do not discharge into surface waters/groundwater.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Advice on disposal
Can be incinerated, when in compliance with local regulations.
Where possible recycling is preferred to disposal.

Waste disposal number of waste from residues/unused products
070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

Contaminated packaging
Empty containers should be taken for local recycling, recovery or waste disposal.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1987
14.2. UN proper shipping name: ALCOHOLS, N.O.S. (Ethanol)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3

Inland waterways transport (ADN)

14.1. UN number: UN 1987
14.2. UN proper shipping name: ALCOHOLS, N.O.S. (Ethanol)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3

Marine transport (IMDG)

14.1. UN number: UN 1987
**Myxal Sept Gel**

**Safety Data Sheet** according to Regulation (EC) No 1907/2006

Peter Greven Physioderm GmbH

Revision date: 13.09.2016  
Revision No: 2,3  
00320-0106-GHS

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14.2. UN proper shipping name: ALCOHOLS, N.O.S. (Ethanol)

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3

Marine pollutant: No

Limited quantity: 1 L / 30 kg

Excepted quantity: E2

EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1987

14.2. UN proper shipping name: ALCOHOLS, N.O.S. (Ethanol)

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3

Limited quantity Passenger: 1 L

Passenger LQ: Y341

Excepted quantity: E2

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Take the usual precautions when handling with chemicals.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

The transport takes place only in approved and appropriate packaging.

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**SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

2004/42/EC (VOC): 80 %

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

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**SECTION 16: Other information**

Abbreviations and acronyms

Changes in chapter: 3
Myxal Sept Gel

Abbreviations and acronyms
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
IMDG = International Maritime Code for Dangerous Goods
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization
MARPOL = International Convention for the Prevention of Pollution from Ships
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
CAS = Chemical Abstract Service
EN = European norm
ISO = International Organization for Standardization
DIN = Deutsche Industrie Norm
PBT = Persistent Bioaccumulative and Toxic
vPvB = Very Persistent and very Bio-accumulative
LD = Lethal dose
LC = Lethal concentration
EC = Effect concentration
IC = Median immobilisation concentration or median inhibitory concentration

Relevant H and EUH statements (number and full text)
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Further Information
Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.
The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.
The delivery specifications are contained in the corresponding product sheet.
This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.
(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)