



Safety data sheet

according to 1907/2006/EC, Article 31

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: peclavus® PODOmed Hornhauterweicher Spray

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

Foot spray

1.3 Details of the supplier of the safety data sheet

HELLMUT RUCK GmbH
Daimlerstraße 23
D-75305 Neuenbürg
fon +49 (0)7082. 944 20
fax +49 (0)7082. 944 22 22
e-Mail kontakt@hellmut-ruck.de

1.4 Emergency telephone number

VIZ Universitätsklinikum Freiburg: Telefon (24h) +49 (0)761 19240

2. Hazards identification

2.1 Hazards description

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

Inflammable liquid, category 3, H226
Severe skin damage, category 1, H314

2.2 Label elements

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

Hazard pictograms



Signal word

Danger

Hazard statements

H226 Flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage

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Precautionary statements

- P101 if medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P103 Read label before use
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 Keep container tightly closed
P240 Ground/Bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/lightning/equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P260 Do not breathe dust/fume/gas/mist/vapours/spray
P262 Do not get in eyes, on skin, or on clothing
P264 Wash hands thoroughly after handling
P271 Use only outdoors or in a well-ventilated area
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses of present and easy to do – continue rinsing.
P314 Get Medical advice/attention if you feel unwell
P332+P313 If skin irritation occurs: Get medical advice/attention
P383+P313 If skin irritation or a rash occurs: Get medical advice/attention
P363 Wash contaminated clothing before reuse
P501 Contents/container to be disposed of as problem waste

2.3 Other hazards

Not applicable

3. Composition/information on ingredients

3.1 Substances

This product is a mixture.

3.2 Chemical characterization: Mixtures

Composition/information on ingredients

Isopropanol (25 ≥ 50%)

EG-No. 200-661-7; CAS-No.: 67-63-0, REACH: 01-2119457558-25-xxxx
Highly flammable liquid, category 2: H225
Eye damage, category 2: H319
STOT SE3: H336

2,2',2''- Nitrioltriethanol (1 ≥ 5%)

EG-No.: 203-049-8; CAS-No.: 102-71-6, REACH: 01-2119486482-31-xxxx
Stoff, für den ein gemeinschaftlicher Grenzwert für die Exposition am Arbeitsplatz gilt.

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Potassium Hydroxide (1 ≥ 5%)

EG-No.: 215-181-3; CAS-No.: 1310-58-3; REACH01-2119487136-33-xxxx

Metal corrosive, category 1: H290
Acute toxicity, category 4: H302
Skin corrosion, category 1: H314
Eye damage, category 1: H318

2,2'-Iminodiethanol (0,1 ≥ 1%)

EG-No.: 203-868-0; CAS-No.: 111-42-2; REACH: 01-2119488930-28-xxxx

Acute toxicity, category 4: H302
Skin irritation, category 2: H315
Eye damage, category 1: H318
STOT, RE 2: H373

Orange Oil (0, 1 ≥ 1%)

EG-No.: 232-433-8; CAS-No.: 8008-57-9; REACH: 01-219493353-35-0024

Flammable Liquid, category 3: H226
Aspiratory toxicity, category 1: H304
Skin irritation, category 2: H315
Skin sensitisation, category 1B: H317
Aquatic chronic, category 2: H411
Full text of R-, H- and EUH-phrases: see section 16.

4. First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing. If irritation occurs, consult a physician

Following inhalation

Remove person to fresh air and keep at rest. Obtain medical advice.

Following skin contact

Wash affected skin areas with plenty of water and soap.

Following eye contact

Rinse eyes immediately with water for at least 10 minutes. Consult an ophtahalmologist.

Following ingestion

Rinse mouth with water. Give plenty of water to drink. Do not induce vomiting. Obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Firefighting measures

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5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide, Foam, Water spray, Dry extinguishing powder

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

In case of fire, carbon dioxide, carbon monoxide, smoke and possibly other toxic fumes will be emitted.

5.3 Advice for firefighters

Do not inhale smoke and fumes. Wear full-protective equipment and self-contained breathing apparatus.

Cool endangered pens with water mist.

Contain escaping vapours with water.

Keep quench water away from drains, surface- and ground-water and soil.

Avoid skin contact by wearing suitable protective clothing and keeping safe distance.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provide good ventilation. Keep away unprotected persons.

For emergency responders

Wear personal protective equipment (see section 8)

6.2 Environmental precautions

Avoid discharge into sewerage/drains or surface and ground water.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid bonder, universal binder, sawdust). Dispose of special waste in compliance with local and national regulations.

6.4 Reference to other sections

Personal protection equipment: see section 8.

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7. Handling and storage

7.1 Precautions for safe handling

Advices on safety handling

Follow usual precautions for safe handling of chemicals.
Follow your local legislation on occupational health and safety.
General hygiene rules must be obeyed. Do not eat, drink or smoke in application area.
Good ventilation required.

Precautions against fire and explosion

Vapours are heavier than air and may spread near ground to sources of ignition.
Take precautionary measures against static charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep container tightly sealed.

7.3 Specific end use(s)

Technical measures and storage conditions

Store in closed, preferably full containers at constant, cool temperatures. Do not expose to extreme heat (e.g. sunlight). Do not store near open flames or heat sources or use in their immediate vicinity.

Hints on storage assembly

- Pharmaceuticals, food and feeding stuffs
- Substances liable to spontaneous combustion
- Materials that form flammable gases in contact with water
- Organic peroxides

Storage class

the protection of ground water must be ensured at any case.
Always keep in containers of the same material as the original one.

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8. Exposure controls/personal protection

8.1 Exposure limit values

Substance name: Isopropanol; CAS-Nr.: 67-63-0

Type: Limit values
AGW (Deutschland) Langzeitwert: 500mg/m³, 200 ml/m³
2 (II);DFG, Y
BGW (Deutschland) Untersuchungsmaterial: Vollblut
Probennamezeitpunkt: Expositionsende bzw. Schichtende
Parameter: Aceton
50 mg/l
Untersuchungsmaterial: Urin
Probennamezeitpunkt: Expositionsende bzw. Schichtende
Parameter: Aceton

Substance name: Triethanolamin 99%; CAS-Nr.: 102-71-6

Type: Limit value
MAK: 5E mg/m³

Substance name: Diethanolamin; CAS-Nr.: 111-42-2

Type: Limit value
MAK: 1E mg/m³

PNECs			
Substance name	Details of the compartment	Value	Methode details
Isopropanol	Fresh water	140.9 mg/l	Short-term (single use)
	sea water	140.9 mg/l	Short-term (single use)
	wastewater treatment plant	2251 mg/l	Short-term (single use)
	freswater sediment	552 mg/l	Short-term (single use)
	seawater sediment	552 mg/l	Short-term (single use)
	soil	28 mg/l	Short-term (single use)

8.2 Exposure controls

Technical measures to prevent exposure

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Maintain adequate local and general ventilation where product is handled.

Personal protection equipment

The type of equipment for individual protection has to be chosen according to concentration and quantity of hazardous compounds.

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Respiratory protection

Use adequate respiratory equipment; if necessary (e.g. filter A, DIN 3181)

Hand protection

Wear protective gloves resistant against solvents and acids according to EN 374

Eye protection

Wear protective goggles with side protection according to EN 166:2001.

Skin protection

See section 6 and 7

9. Physical and chemical properties

9.1 General physical and chemical properties

Physical state: gel, smooth
Colour: colorless
Odour: characteristic

Safety-relevant data		
Parameter	value	Remarks
pH value (20°C)	13,2 – 13,6	
Melting point/freezing point	No data available	[°C]
Initial boiling point/boiling range	No data available	[°C]
Flash point (ISO 1523 closed cup)	No data available	[°C]
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Upper/lower flammability or explosive limits	No data available	
Upper explosive limits	No data available	
Lower explosive limits	No data available	
Vapour pressure (20°C)	No data available	
Vapour density (20°C)	No data available	
Relative density (20°C)	No data available	[g/m ³]

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Solubility(ies)	No data available	
Partition coefficient	No data available	
n-octanol/water	No data available	
Auto-ignition temperature	No data available	[°C]
Decomposition temperature	No data available	[°C]
Viscosity	No data available	
Viscosity, dynamic	No data available	
Viscosity, cinematic	No data available	
Explosive properties	No data available	
Oxidising properties	No data available	

9.2 Other information

Corrosion to metals has not been tested

10. Stability and reactivity

10.1 Reactivity

The product is chemically stable under standard ambient conditions (room temperature)

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature)

10.3 Conditions to avoid

When used in accordance with its intended purpose, no hazardous reaction is to be expected

10.4 Incompatible materials

Strong oxidants

10.5 Hazardous decomposition products

Contact with strong oxidizing agents may cause flammable gases (e.g. hydrogen) or vapours to form. In case of fire, the following can be released: carbon oxides (CO,CO₂)

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11. Toxicological information

11.1 Information on toxicological effects

Toxicological data for the preparation are not available

12. Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available

12.3 Bioaccumulative potential

No further relevant information available

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable

12.6 Other adverse effects

Do not flush into surface water or sanitary sewer system. Avoid water ingress underground.

13. Disposal considerations

13.1 Waste treatment methods

The product and its empty, uncleaned containment must be disposed of in accordance with local waste regulations. Do not dispose of into environment or into sewerage. Prevent contamination of soil, ground and surface waters.

14. Transport Information

14.1 UN-Number

UN2920

14.2 UN shipping name

ADR/RIN

UN2920 Corrosive liquids, flammable, n.o.s., 8 (3), II

IMDG-Code / ICAO-TI / IATA-DGR

UN2920 Corrosive liquids, flammable, n.o.s., 8 (3), II

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14.3 Transport hazard class(es)

ADR / RID / IMDG-Code / ICAO-TI / IATA-DGR

8

14.4 Packing group

II

14.5 Environmental hazards

Environmentally hazardous substance marking

14.6 Special precautions for user

See sections 6-8

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

15. Regulatory information

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

EU regulations

Regulation (EG) No. 1005/2009 on substances that deplete the ozone layer

Not applicable

Regulation (EG) No. 850/2004 (organic pollutants)

Not applicable

Regulation (EG) No. 649/2012 (export and import of dangerous chemicals)

Not applicable

Regulation (EG) No. 648/2004 (detergent regulation)

The product meets the criteria laid down in Regulation (EC) No. 648/2004

National regulations

Water hazard classification

Water hazard class (AwSV of 18.04.2017): WGK 1, slightly water harardous

Technical Rules for Hazardous Substances (TRGS)

Safety precautions have to be taken according to TRGS 500

Storage class according to TRGS 510:8A

Solvents regulation (31. BImSchV)

VOC-Anteil: 30% (calculated)

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15.2 Chemical safety assessment

For the mixture, no chemical safety assessment was conducted.

16. Other information

Key literature references and sources for data

Regulations

Directive (1999/45/EG), in its current version

Directive (67/548/EWG), in its current version

REACH regulation (EG) No. 1907/2006, in its current version

CLP regulation (EG) No. 1272/2008, in its current version

Internet

<http://www.baua.de>

<http://publikationen.dguv.de>

<http://gestis.ittrust.de>

<http://logkow.cisti.nrc.ca>

<http://www.gischem.de>

<http://echa.europa.eu/en/candidate-list-table>

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

Relevant R-, H- and EUH-phrases (number and full text)

H-phrases

- H225 Highly inflammable liquid and vapour
- H226 Flammable liquid and vapour
- H290 May be corrosive to metals
- H302 Harmful if swallowed
- H304 May be fatal if swallowed and enters airways
- H314 Causes severe skin burns and eye damage
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H319 Causes serious eye irritation
- H336 May cause drowsiness or dizziness
- H373 May cause damage to organs through prolonged or repeated exposure
- H411 Toxic to aquatic life with long lasting effects

R-phrases

- P101 if medical advice in needed, have product container or label at hand
- P102 Keep out of reach of children
- P103 Read label before use
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P233 Keep container tightly closed
- P240 Ground/Bond container and receiving equipment
- P241 Use explosion-proof electrical/ventilating/lighting/equipment
- P242 Use only non-sparking tools
- P243 Take precautionary measures against static discharge

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- P260 Do not breathe dust/fume/gas/mist/vapour/spray
P262 Do not get in eyes, on skin, or on clothing
P264 Wash hands thoroughly after handling
P271 Use only outdoors or in a well-ventilated area
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331 IF SWALLOWED Rinse mouth. Do NOT induce vomiting
P303+P361+P353 IF ON SKIN (or hair) Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P314 Get Medical advice/attention if you feel unwell
P332+P313 IF skin irritation occurs Get medical advice/attention
P337+P313 IF skin irritation or a rash occurs Get medical advice/attention.
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