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

1.1 Product identifier

Trade name: peclavus® PODOmed Hornhauterweicher Spray (peclavus® PODOmed callus softener 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]

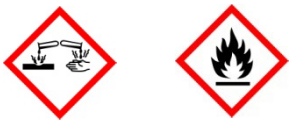
Inflammable liquid, category 3, H226

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

Precautionary statements

P102	Keep out of reach of children
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking
P264	Wash hands thoroughly after handling
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses of
P337+P313	IF skinirritation or a rash occurs: Get medical advice/attention.

2.3 Other hazards

Not applicable

3 Composition/information on ingredients

3.1 Substances

This product is a mixture.

3.2 Chemical characterization: Mixtures

Composotion/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"- Nitrilotriethanol (1 ≥ 5%)

EG-No.: 203-049-8; CAS-No.: 102-71-6, REACH: 01-2119486482-31-xxxx

Stoff, für den ein gemeinschaflicher Grenzwert für die Exposition am Arbeitsplatz gilt.

Potassium Hydoxide (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

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.

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.

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 sea water wastewater treatment plant freswater sediment seawater sediment soil	140.9 mg/l 140.9 mg/l 2251 mg/l 552 mg/l 552 mg/l 28 mg/l	Short-term (single use) Short-term (single use) Short-term (single use) Short-term (single use) Short-term (single use) 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.

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	
wLower 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/m³]
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)

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

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)

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

P102	Keep out of reach of children
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking
P264	Wash hands thoroughly after handling
P301+P330+P331	IF SWALLOWED Rinse mouth. Do NOT induce vomiting
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 skin irritation or a rash occurs Get medical advice/attention.

The information in this MSDS was obtained from currently available sources. It is provided without any warranty, expressed or implied. It is the user's responsibility to assume liability for loss, injury, damage or expense resulting from improper use of the product. Any previous MSDS of this product are replaced by this new document. We urge you to make this information available as appropriate in your organization and to any other with whom you arrange to handle this product.