Safety Data Sheet

Physioderm Physio UV 50 Spray
according to Regulation (EC) No. 1907/2006 (REACH)

Printing date: 30/03/2022	Revision: 30/03/2022 Version: 1.00

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

1.1. Product identifier

Product Name	Physioderm Physio UV 50 Spray

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

No further relevant information available.

Application of the substance / the mixtures	Cosmetic product

1.3. Details of the supplier of the safety data sheet

Manufacturer / Supplier:
Peter Greven Physioderm GmbH
Procter-und-Gamble-Straße 26
53881 Euskirchen
Germany

Tel.: +49 (0)2251 77617-0
e-mail: info@pgp-hautschutz.de
Website: https://www.pgp-hautschutz.de/

1.4 Further information obtainable from: Peter Greven Physioderm GmbH

Emergency telephone number: +49 (0)2251 77617-0 (during business hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Finished cosmetics products are exempt from CLP regulation.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Void

Recommended labelling as per the Cosmetics Europe Recommendation on Flammability labelling of Cosmetic Products", May 19, 2016



or **"flammable"**

Signal word	Void
Hazard statements	Void

Attention: Classification and labelling according to Regulation (EC) No 1272/2008 is not applicable for finished cosmetic products. Finished cosmetic products are in conformity with the relevant version of the EU Cosmetics Regulations (EC) No 1223/2009. The consumer safety of finished cosmetic products has been approved by an independent safety assessor.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

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3.2. Mixtures			
Description of the mixtures	personal care product - cosmetics		
Composition / Information on ingredients			
CAS: 64-17-5 EINECS: 200-578-6	Ethanol	Flam. Liq. 2, H225 Eye Irrit. 2, H319	>50-≤100%
CAS: 56-81-5 EINECS: 200-289-5	Glycerol	substance with a Community workplace exposure limit	>2,5-≤10%
CAS: 70356-09-1 EINECS: 274-581-6	Butyl Methoxydibenzoylmethane	Aquatic Chronic 4, H413	>2,5-≤10%
CAS: 88122-99-0 EINECS: 402-070-1	Tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate	Aquatic Chronic 4, H413	>2,5-≤10%
Additional information: For the wording of the listed hazard phrases refer to section 16.			

SECTION 4: First aid measures

4.1. Description of first aid measures	
General information	Take affected persons out into the fresh air. Do not leave affected persons unattended.
After inhalation	Supply fresh air; consult doctor in case of complaints.
After skin contact	Take-off immediately all contaminated clothing. Rinse skin with water/ shower.
After eye contact	Rinse opened eye for several minutes under running water. Remove contact lenses. Then consult a doctor.
After swallowing	Call for a doctor immediately.
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.	

SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable extinguishing agents	Carbone dioxide (CO_2), powder or water spray. Fight larger fires with water spray or alcohol resistant spray.
For safety reasons unsuitable extinguishing agents	Water with full jet.
5.2. Special hazards arising from the substance or mixture	
Formation of toxic gases is possible during heating or in case of fire.	
5.3. Advice for firefighters	
Special protective equipment	Mouth respiratory protective device. Do not inhale explosion gases or combustion gases.
Further information	Collect contaminated extinguishing water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from heat and sources of ignition.
6.2. Environmental precautions
Do not allow product to enter sewers / surface or ground water. Notify environmental authorities in case of large leaks.
6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (sand, diatomite, acid binders, universals binders, sawdust). Ensure adequate ventilation.

6.4. Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and direct sunlight. Ensure good ventilation / exhaustion at the workplace. Store in a cool, dry place in tightly closed containers. Use only in well ventilated areas.

Information about fire – and explosion protection
Keep ignition sources away – do not smoke. Can form explosive gas-air mixtures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage compatibility	Store away from foodstuffs.

7.3. Specific end uses

No additional relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with workplace control parameters:

64-17-5 ethanol

WEL Long-term value: 1920 mg/m³, 1000 ppm

56-81-5 Glycerol

WEL Long-term value: 10 mg/m³

8.2. Exposure controls

Personal protective equipment

General protective and hygienic measures	Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, or smoking at the place of work. Keep away from foodstuffs, beverage and feed. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.
Respiratory protection	Not required if room is well-ventilated.
Eye protection	Tightly sealed safety goggles.
Hand protection	Protective gloves.
Penetration time of glove material	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

SECTION 9: Physical and chemical properties

Physical state	liquid
Colour	clear – light yellow
Odour	Characteristic
Odour Threshold	Not determined.
pH-value at 20 °C	6.5
Change in condition Melting point/freezing point Initial boiling point and boiling range	 Undetermined. Undetermined.
Flash point	<23 °C
Flammability (solid, gas)	Not applicable.
Auto-ignition temperature	Product is not selfigniting.
Decomposition temperature	Not determined.

Explosive properties	Product is not explosive. However, formation of explosive air / vapour mixtures are possible.
Explosion limits Lower explosion limit Upper explosion limit	 3.5 Vol % 15 Vol %
Density Relative density Vapour density Evaporation rate	0.869 g/cm^3 Not determined. Not determined. Not determined.
Solubility in / Miscibility with water	Partly miscible.
Partition coefficient: n-octanol/water	Not determined.
Viscosity Dynamic Kinematic	 Not determined. Not determined.

9.2. Other information

No further information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

Forms explosive gas mixture with air.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials:

No further relevant information available.

10.6. Hazardous decomposition products:

No dangerous decomposition products know.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity Based on available data the classification criteria are not met.

LD/LC50 values relevant for classification

64-17-5 ethanol		
Oral	LD50	7060 mg/kg (rat)
Inhalative	LC50/4 h	20000 mg/l (rat)
56-81-5 glycerol		
Oral	LD50	12600 mg/kg (rat)
88122-99-0 Tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate		
Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)
70356-09-1 Butyl Methoxydibenzoylmethane		
Oral	LD50	> 16000 mg/kg (rat)
Dermal	LD50	> 1000 mg/kg (rat)

Primary irritant effect

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

SECTION 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.

Additional ecological information

General notes

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment

PBT	Not applicable.
vPvB	Not applicable.

12.6. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13. Waste treatment methods

European waste catalogue	Dispose of contents / container in accordance with local/regional/national/international regulations.
Uncleaned packaging	Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport Information

14.1. UN-Number

ADR, IMDG, IATA	UN1170

14.2. UN proper shipping name

ADR	1170 ETHANOL (ETHYL ALCOHOL), solution
IMDG	ETHANOL (ETHYL ALCOHOL) solution
IATA	ETHANOL solution

14.3. Transport hazard class(es)

ADR, IMDG, IATA	
	
Class	3 Flammable liquids
Label	3

14.4. Packaging group

ADR, IMDG, IATA	II

14.5. Environmental hazards

No

14.6. Special precautions for user	
Warning: Flammable liquids.	
Danger code (Kemler)	33
EMS number	F-E, S-D
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
Not applicable.	
Transport additional information	
ADR	
Limited Quantity (LQ)	1L
Tunnel restriction code	D/E
Transport category	2
UN “Model Regulation”	UN 1170 ETHANOL (ETHYL ALCOHOL), solution, 3, II

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
No further relevant information available.	
Named dangerous substances – ANNEX I None of the ingredients is listed.	
Regulation (EC) No 1907/2006 ANNEX XVII Conditions of restrictions: 3	
15.2. National regulations	
Water Hazard Class	WGK 1 (self-assessment), slightly hazardous for water.
15.3. Chemical safety assessment	
A Chemical Safety Assessment has not been carried out.	

SECTION 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Responsible for the Safety Data Sheet:

Peter Greven Physioderm GmbH – Procter-und-Gamble-Straße 26, 53881 Euskirchen, Germany

Abbreviations and acronyms	
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Flam. Liq. 2	Flammable liquids – Category 2
Eye Irrit. 2	Serious eye irritation – Category 2
Aquatic Chronic 4	May cause long lasting harmful effects to aquatic life – Category 4