



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

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

1.1 Product identifier

Trade name **PEDI GEL**
Registration number (REACH) not relevant (mixture)
Alternative number(s) 2060

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

Relevant identified uses Professional use
Nail cosmetics

1.3 Details of the supplier of the safety data sheet

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Deutschland

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info@3to-gmbh.de
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Section	Hazard class	Cat-egory	Hazard class and category	Hazard state-ment
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
3.4S	skin sensitisation	1	Skin Sens. 1	H317
4.1C	hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	H412

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

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

- signal word danger

- pictograms

GHS05, GHS07



PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

- hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

- precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to industrial combustion plant.

- hazardous ingredients for labelling

Hydroxypropyl Methacrylate, Aliphatic Urethane Acrylate, Triethylenglycoldimethacrylate, Tripropyleneglycol Diacrylate, ETHYLPHENYL TRI-METHYLBENZOYL ETHYLPHOSPHINATE

2.3 Other hazards

There is no additional information.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Aliphatic Urethane Acrylate		25 – < 50	Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Chronic 3 / H412	
Aliphatic Urethane Methacrylate		25 – < 50		
Hydroxypropyl Methacrylate	CAS No 27813-02-1 EC No 248-666-3	10 – < 25	Eye Irrit. 2 / H319 Skin Sens. 1 / H317	
Triethylenglycoldimethacrylate	CAS No 109-16-0 EC No 203-652-6	5 – < 10	Skin Sens. 1B / H317	
Silica Dimethyl Silylate	CAS No 68611-44-9 EC No 271-893-4	5 – < 10		

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Tripropyleneglycol Diacrylate	CAS No 42978-66-5 EC No 256-032-2	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 STOT SE 3 / H335 Aquatic Chronic 2 / H411	
ETHYLPHENYL TRI-METHYLBENZOYL ETHYL-PHOSPHINATE	CAS No 84434-11-7 EC No 282-810-6	0,1 – < 1	Skin Sens. 1B / H317 Aquatic Chronic 2 / H411	
BHT	CAS No 128-37-0 EC No 204-881-4	0,1 – < 1	Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	
2-HYDROXYETHYL ACRYLATE	CAS No 818-61-1 EC No 212-454-9	< 0,1	Acute Tox. 4 / H302 Acute Tox. 3 / H311 Skin Corr. 1B / H314 Skin Sens. 1 / H317 Aquatic Acute 1 / H400 Aquatic Chronic 3 / H412	
2-HEMA	CAS No 868-77-9 EC No 212-782-2	< 0,1	Eye Irrit. 2 / H319 Skin Sens. 1 / H317	
P-Hydroxyanisole	CAS No 150-76-5 EC No 205-769-8	< 0,1	Acute Tox. 4 / H302 Eye Irrit. 2 / H319 Skin Sens. 1 / H317	

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Apply cortisone spray at early stage.

Following skin contact

Wash with plenty of soap and water. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Immediately call a POISON CENTER or doctor/physician.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Avoid contact with skin and eyes.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains

Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Protect against: UV-radiation/sunlight, Heat, Cold, Humidity, Keep only in original container, Storage temperature: 5-30 °C

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

This information is not available.

Relevant DNELs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Hydroxypropyl Methacrylate	27813-02-1	DNEL	4,2 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Hydroxypropyl Methacrylate	27813-02-1	DNEL	14,7 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Triethylenglycoldimethacrylate	109-16-0	DNEL	13,9 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Triethylenglycoldimethacrylate	109-16-0	DNEL	48,5 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Silica Dimethyl Silylate	68611-44-9	DNEL	4 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Tripropyleneglycol Diacrylate	42978-66-5	DNEL	2,77 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Tripropyleneglycol Diacrylate	42978-66-5	DNEL	24,48 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
BHT	128-37-0	DNEL	0,5 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
BHT	128-37-0	DNEL	3,5 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
2-HYDROXYETHYL ACRYLATE	818-61-1	DNEL	2,4 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
P-Hydroxyanisole	150-76-5	DNEL	3 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
P-Hydroxyanisole	150-76-5	DNEL	10 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Hydroxypropyl Methacrylate	27813-02-1	PNEC	0,904 mg/l	aquatic organisms	freshwater	short-term (single instance)
Hydroxypropyl Methacrylate	27813-02-1	PNEC	0,904 mg/l	aquatic organisms	marine water	short-term (single instance)
Hydroxypropyl Methacrylate	27813-02-1	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Hydroxypropyl Methacrylate	27813-02-1	PNEC	6,28 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Hydroxypropyl Methacrylate	27813-02-1	PNEC	6,28 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Hydroxypropyl Methacrylate	27813-02-1	PNEC	0,727 mg/kg	terrestrial organisms	soil	short-term (single instance)
Hydroxypropyl Methacrylate	27813-02-1	PNEC	0,972 mg/l	aquatic organisms	water	intermittent release
Triethylenglycoldimethacrylate	109-16-0	PNEC	0,164 mg/l	aquatic organisms	freshwater	short-term (single instance)
Triethylenglycoldimethacrylate	109-16-0	PNEC	0,0164 mg/l	aquatic organisms	marine water	short-term (single instance)
Triethylenglycoldimethacrylate	109-16-0	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Triethylenglycoldimethacrylate	109-16-0	PNEC	1,85 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Triethylenglycoldimethacrylate	109-16-0	PNEC	0,185 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Triethylenglycoldimethacrylate	109-16-0	PNEC	0,274 mg/kg	terrestrial organisms	soil	short-term (single instance)
Triethylenglycoldimethacrylate	109-16-0	PNEC	0,164 mg/l	aquatic organisms	water	intermittent release
Tripropyleneglycol Diacrylate	42978-66-5	PNEC	0,0073 mg/l	aquatic organisms	freshwater	short-term (single instance)
Tripropyleneglycol Diacrylate	42978-66-5	PNEC	0,0007 mg/l	aquatic organisms	marine water	short-term (single instance)
Tripropyleneglycol Diacrylate	42978-66-5	PNEC	100 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Tripropyleneglycol Diacrylate	42978-66-5	PNEC	0,019 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Tripropyleneglycol Diacrylate	42978-66-5	PNEC	0,00243 mg/kg	terrestrial organisms	soil	short-term (single instance)
Tripropyleneglycol Diacrylate	42978-66-5	PNEC	0,73 mg/l	aquatic organisms	water	intermittent release
BHT	128-37-0	PNEC	0,199 µg/l	aquatic organisms	freshwater	short-term (single instance)
BHT	128-37-0	PNEC	0,0199 µg/l	aquatic organisms	marine water	short-term (single instance)
BHT	128-37-0	PNEC	0,17 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
BHT	128-37-0	PNEC	99,6 µg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
BHT	128-37-0	PNEC	9,96 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
BHT	128-37-0	PNEC	8,33 mg/kg	aquatic organisms	water	short-term (single instance)
BHT	128-37-0	PNEC	47,69 µg/kg	terrestrial organisms	soil	short-term (single instance)
BHT	128-37-0	PNEC	1,99 µg/l	aquatic organisms	water	intermittent release
2-HYDROXYETHYL ACRYLATE	818-61-1	PNEC	0,0096 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-HYDROXYETHYL ACRYLATE	818-61-1	PNEC	0,00096 mg/l	aquatic organisms	marine water	short-term (single instance)
2-HYDROXYETHYL ACRYLATE	818-61-1	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-HYDROXYETHYL ACRYLATE	818-61-1	PNEC	0,0355 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-HYDROXYETHYL ACRYLATE	818-61-1	PNEC	0,00355 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-HYDROXYETHYL ACRYLATE	818-61-1	PNEC	0,00147 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-HYDROXYETHYL ACRYLATE	818-61-1	PNEC	0,0361 mg/l	aquatic organisms	water	intermittent release
P-Hydroxyanisole	150-76-5	PNEC	0,014 mg/l	aquatic organisms	freshwater	short-term (single instance)
P-Hydroxyanisole	150-76-5	PNEC	0,001 mg/l	aquatic organisms	marine water	short-term (single instance)
P-Hydroxyanisole	150-76-5	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
P-Hydroxyanisole	150-76-5	PNEC	0,125 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
P-Hydroxyanisole	150-76-5	PNEC	0,013 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
P-Hydroxyanisole	150-76-5	PNEC	0,017 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls



Appropriate engineering controls

General ventilation.



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Colour	various
Odour	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	not determined
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Explosive limits	not determined
Vapour pressure	not determined
Density	not determined
Vapour density	this information is not available
Relative density	information on this property is not available



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

Solubility(ies)	not determined
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Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none
Oxidising properties	none

9.2 Other information

Solvent content	0 %
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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if inhaled.



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Tripropyleneglycol Diacrylate	42978-66-5	oral	2.000 mg/kg
Tripropyleneglycol Diacrylate	42978-66-5	dermal	2.000 mg/kg
2-HYDROXYETHYL ACRYLATE	818-61-1	oral	960,5 mg/kg
2-HYDROXYETHYL ACRYLATE	818-61-1	dermal	1.000 mg/kg
P-Hydroxyanisole	150-76-5	oral	500 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Acc. to 1272/2008/EC: Harmful to aquatic life with long lasting effects.

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Triethylenglycoldimethacrylate	109-16-0	LC50	23,1 mg/l	fish	24 h
Triethylenglycoldimethacrylate	109-16-0	EC50	51,9 mg/l	aquatic invertebrates	21 d
Silica Dimethyl Silylate	68611-44-9	EL50	>1.000 mg/l	aquatic invertebrates	24 h



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Tripropyleneglycol Diacrylate	42978-66-5	EC50	>1.000 mg/l	microorganisms	30 min
BHT	128-37-0	EC50	1,7 mg/l	microorganisms	24 h
2-HYDROXYETHYL ACRYLATE	818-61-1	EC50	0,74 mg/l	aquatic invertebrates	21 d
2-HEMA	868-77-9	EC50	90,1 mg/l	aquatic invertebrates	21 d
2-HEMA	868-77-9	LC50	>100 mg/l	aquatic invertebrates	21 d
P-Hydroxyanisole	150-76-5	LC50	>1,45 mg/l	aquatic invertebrates	21 d
P-Hydroxyanisole	150-76-5	EC50	1,42 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Degradability of components of the mixture						
Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
Triethylenglycoldimethacrylate	109-16-0	carbon dioxide generation	85 %	28 d		ECHA
Tripropyleneglycol Diacrylate	42978-66-5	carbon dioxide generation	48 %	28 d		ECHA
2-HYDROXYETHYL ACRYLATE	818-61-1	carbon dioxide generation	79 %	28 d		ECHA

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture				
Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Hydroxypropyl Methacrylate	27813-02-1		0,97 (pH value: 2, 20 °C)	
Triethylenglycoldimethacrylate	109-16-0		2,3	
Tripropyleneglycol Diacrylate	42978-66-5		2 (25 °C)	
BHT	128-37-0	598,4	5,03	
2-HYDROXYETHYL ACRYLATE	818-61-1		-0,17 (25 °C)	
2-HEMA	868-77-9		0,42 (25 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

- | | | |
|------|---|---|
| 14.1 | UN number | Not subject to transport regulations |
| 14.2 | UN proper shipping name | not relevant |
| 14.3 | Transport hazard class(es) | none |
| 14.4 | Packing group | not relevant |
| 14.5 | Environmental hazards | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 | Special precautions for user | There is no additional information. |
| 14.7 | Transport in bulk according to Annex II of MARPOL and the IBC Code | The cargo is not intended to be carried in bulk. |

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Deco-Paint Directive (2004/42/EC)

VOC content	26,2 %
Solvent content	0 %



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

Date of compilation: 11.10.2018

International Nomenclature of Cosmetic Ingredients

Name of substance	CAS No	EC No	Wt%
ALIPHATIC URETHANE ACRYLATE			25 – < 50
ALIPHATIC URETHANE METHACRYLATE			25 – < 50
HYDROXYPROPYL METHACRYLATE	27813-02-1	248-666-3	10 – < 25
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	203-652-6	5 – < 10
SILICA DIMETHYL SILYLATE	68611-44-9	271-893-4	5 – < 10
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	256-032-2	1 – < 5
ETHYLPHENYL TRIMETHYLBENZOYL ETHYLPHOSPHINATE	84434-11-7	282-810-6	0,1 – < 1
BHT	128-37-0	204-881-4	0,1 – < 1
2-HYDROXYETHYL ACRYLATE	818-61-1	212-454-9	< 0,1
HEMA	868-77-9	212-782-2	< 0,1
P-HYDROXYANISOLE	150-76-5	205-769-8	< 0,1

Product characteristics

PAO 12 months. The product is auto-sterile and contains no water. Therefore it is uncritical related to microbiological hazards. The product contains no nano-materials.

Remarks to labelling according to cosmetic regulation 1223/2009/EU

For professional users only. Please read instructions carefully. Avoid skin contact.

Optional warnings for labelling

Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. If skin irritation occurs: Get medical advice/attention. Keep away from open flames and hot surfaces. No smoking.

National regulations (Germany)

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK 1 slightly hazardous to water
(water hazard class)

Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK) 10 (combustible liquids)

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

PEDI GEL

Version number: GHS 1.0

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Abbr.	Descriptions of used abbreviations
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LGK	Lagerklasse (storage class according to TRGS 510, Germany)
log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STOT SE	Specific target organ toxicity - single exposure
TRGS	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany)
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative



Safety Data Sheet

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Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
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.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.