Safety Data Sheet

BUILD LED 2.0 clear

Version number: GHS 2.0
Replaces version of: 22.11.2017 (GHS 1)

Revision: 12.09.2025

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

1.1 Product identifier

Trade name	**BUILD LED 2.0 clear**
Registration number (REACH)	not relevant (mixture)
Alternative number(s)	2105

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

CosFab GmbH
Reicharten 614
6932 Langen b. Bregenz
Austria

Telephone: +43 5575 20023
Telefax: +43 5575 20023 99
e-mail: info@thecosfab.com
Website: www.thecosfab.com

e-mail (competent person)	koschar@thecosfab.com (Mirko Koschar)

1.4 Emergency telephone number

Emergency information service Euro-Notruf: 112 This number is only for medical emergencies 24 hours emergency information	+43 676 6405979 This number is only available during the following office hours: Mon-Fri 09:00 - 17:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Cat-egory	Hazard class and category	Hazard statement
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.4S	skin sensitisation	1	Skin Sens. 1	H317
4.1A	hazardous to the aquatic environment - acute hazard	2	Aquatic Acute 2	H401
4.1C	hazardous to the aquatic environment - chronic hazard	2	Aquatic Chronic 2	H411

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 warning

- pictograms

GHS07, GHS09

- hazard statements

H315+H319	Causes skin irritation and serious eye irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

- precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264+P265	Wash hands thoroughly after handling. Do not touch eyes.
P280	Wear protective gloves.
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+P317	If eye irritation persists: Get medical help.
P391	Collect spillage.
P501	Dispose of contents/container to industrial combustion plant.

- hazardous ingredients for labelling: HYDROXYPROPYL METHACRYLATE, DI-HEMA TRIMETHYLHEXYL DICARBAMATE, TRIETHYLENE GLYCOL DIMETHACRYLATE, PENTAMETHYL PIPERIDINYL SESQUISEBACATE, METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE, 2-HYDROXYETHYL ACRYLATE

2.3 Other hazards

There is no additional information.

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

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
HYDROXYPROPYL METHACRYLATE	CAS No 27813-02-1 EC No 248-666-3	25 – < 50	Acute Tox. 4 / H302 Eye Irrit. 2 / H319 Skin Sens. 1B / H317 Aquatic Acute 3 / H402	
ALIPHATIC URETHANE ACRYLATE	CAS No n.a. EC No n.a.	10 – < 25	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319	
ALIPHATIC URETHANE ACRYLATE	CAS No n.a. EC No	10 – < 25		

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
	934-754-5			
DI-HEMA TRIMETHYL-HEXYL DICARBAMATE	CAS No 72869-86-4 EC No 276-957-5	10 – < 25	Acute Tox. 5 / H313 Skin Sens. 1B / H317 Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411	
TRIETHYLENE GLYCOL DI-METHACRYLATE	CAS No 109-16-0 EC No 203-652-6	5 – < 10	Acute Tox. 5 / H313 Skin Sens. 1B / H317 Aquatic Acute 3 / H402	
SILICA DIMETHYL SILYLATE	CAS No 68611-44-9 EC No 271-893-4	5 – < 10	Acute Tox. 3 / H331 CDust001	
BHT	CAS No 128-37-0 EC No 204-881-4	0,1 – < 1	Acute Tox. 5 / H313 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	
BENZOYL ISOPROPANOL	CAS No 7473-98-5 EC No 231-272-0	0,1 – < 1	Acute Tox. 4 / H302 Aquatic Acute 2 / H401 Aquatic Chronic 3 / H412	
PENTAMETHYL PIPERID-INYL SESQUISEBACATE	CAS No 41556-26-7 EC No 255-437-1	0,1 – < 1	Skin Sens. 1 / H317 Aquatic Chronic 1 / H410	
METHYL 1,2,2,6,6-PENTA-METHYL-4-PIPERIDYL SE-BACATE	CAS No 82919-37-7 EC No 280-060-4	0,1 – < 1	Skin Sens. 1 / H317 Aquatic Chronic 1 / H410	
2-HYDROXYETHYL AC-RYLATE	CAS No 818-61-1 EC No 212-454-9	0 – < 0,1	Acute Tox. 4 / H302 Acute Tox. 4 / H312 Skin Corr. 1B / H314 Skin Sens. 1 / H317 Aquatic Acute 2 / H401 Aquatic Chronic 3 / H412	
TRIPROPYLENE GLYCOL DIACRYLATE	CAS No 42978-66-5 EC No 256-032-2	0 – < 0,1	Acute Tox. 5 / H303 Acute Tox. 5 / H313 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 STOT SE 3 / H335 Aquatic Acute 2 / H401 Aquatic Chronic 2 / H411	
P-HYDROXYANISOLE	CAS No 150-76-5 EC No 205-769-8	0 – < 0,1	Acute Tox. 4 / H302 Acute Tox. 5 / H313 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Aquatic Acute 2 / H401 Aquatic Chronic 2 / H411	

Remarks

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.

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 (NOx), 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. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice 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.

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: 10-25°C

- packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
DE	2,6-di-tert-butyl-p-cresol	128-37-0	AGW		10		40			i, va, Y	TRGS 900
DE	silica, amorphous	7631-86-9	AGW		1		8			i, DE-AGW-2, Y	TRGS 900
DE	silica, amorphous	7631-86-9	MAK		0,02		0,16			r	DFG

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

Notation

DE-AGW-2	Colloidal amorphous silica (7631-86-9) including fumed silica and produced in wet process silica (precipitated silica, silica gel).
i	inhalable fraction
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)
va	as vapours and aerosols
Y	a risk of developmental toxicity does not need to be expected if the occupational exposure limit value and the biological limit value (BGW) are adhered to

Biological limit values

Country	Name of agent	Parameter	Notation	Identifier	Value	Source
DE	butylated hydroxytoluene (BHT)	butylated hydroxytoluene acid	hydr	BAT (BAR)	7 µg/l	DFG

Notation

hydr	hydrolysis

Relevant DNELs of components

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
HYDROXYPROPYL METHACRYLATE	27813-02-1	DNEL	14,7 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
HYDROXYPROPYL METHACRYLATE	27813-02-1	DNEL	4,2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	DNEL	3,3 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	DNEL	1,3 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	DNEL	48,5 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	DNEL	13,9 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
SILICA DIMETHYL SILYLATE	68611-44-9	DNEL	4 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
BHT	128-37-0	DNEL	1,76 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
BHT	128-37-0	DNEL	0,5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
BENZOYL ISOPROPANOL	7473-98-5	DNEL	3,5 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
BENZOYL ISOPROPANOL	7473-98-5	DNEL	1 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-HYDROXYETHYL	818-61-1	DNEL	2,4 mg/m³	human, inhalat-	worker (industry)	chronic - local ef-

Relevant DNELs of components

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
ACRYLATE				ory		fects
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	DNEL	2,35 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	DNEL	1,7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
P-HYDROXYANISOLE	150-76-5	DNEL	10 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
P-HYDROXYANISOLE	150-76-5	DNEL	3 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
HYDROXYPROPYL METHACRYLATE	27813-02-1	PNEC	0,972 mg/l	aquatic organisms	water	intermittent release
HYDROXYPROPYL METHACRYLATE	27813-02-1	PNEC	0,904 mg/l	aquatic organisms	freshwater	short-term (single instance)
HYDROXYPROPYL METHACRYLATE	27813-02-1	PNEC	0,09 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	4,13 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
HYDROXYPROPYL METHACRYLATE	27813-02-1	PNEC	0,413 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
HYDROXYPROPYL METHACRYLATE	27813-02-1	PNEC	0,295 mg/kg	terrestrial organisms	soil	short-term (single instance)
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	PNEC	0,01 mg/l	aquatic organisms	freshwater	short-term (single instance)
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	PNEC	0,001 mg/l	aquatic organisms	marine water	short-term (single instance)
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	PNEC	3,61 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	PNEC	4,56 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	PNEC	0,46 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	PNEC	0,91 mg/kg	terrestrial organisms	soil	short-term (single instance)
TRIETHYLENE	109-16-0	PNEC	0,164 mg/l	aquatic organ-	water	intermittent re-

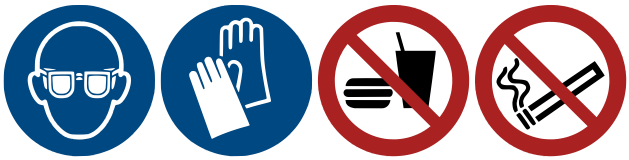
Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
GLYCOL DIMETHACRYLATE				isms		lease
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	PNEC	0,016 mg/l	aquatic organisms	freshwater	short-term (single instance)
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	PNEC	0,002 mg/l	aquatic organisms	marine water	short-term (single instance)
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	PNEC	1,7 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	PNEC	0,185 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	PNEC	0,018 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	PNEC	0,027 mg/kg	terrestrial organisms	soil	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	1,99 µg/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	0,02 µg/l	aquatic organisms	marine water	short-term (single instance)
BHT	128-37-0	PNEC	0,017 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
BHT	128-37-0	PNEC	0,458 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
BHT	128-37-0	PNEC	0,046 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
BHT	128-37-0	PNEC	0,054 mg/kg	terrestrial organisms	soil	short-term (single instance)
BENZOYL ISOPROPANOL	7473-98-5	PNEC	0,002 mg/l	aquatic organisms	freshwater	short-term (single instance)
BENZOYL ISOPROPANOL	7473-98-5	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
BENZOYL ISOPROPANOL	7473-98-5	PNEC	45 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
BENZOYL ISOPROPANOL	7473-98-5	PNEC	0,009 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
BENZOYL ISOPROPANOL	7473-98-5	PNEC	0,001 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
BENZOYL ISOPROPANOL	7473-98-5	PNEC	0,001 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-HYDROXYETHYL	818-61-1	PNEC	0,0096 mg/l	aquatic organ-	freshwater	short-term (single

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
ACRYLATE				isms		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
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	PNEC	0,73 mg/l	aquatic organisms	water	intermittent release
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	PNEC	0,005 mg/l	aquatic organisms	freshwater	short-term (single instance)
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	PNEC	0,487 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	PNEC	0,049 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	PNEC	0,095 mg/kg	terrestrial organisms	soil	short-term (single instance)
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.

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

Physical state	liquid
Colour	not determined
Odour	characteristic
Melting point/freezing point	not determined
Siedepunkt	not determined
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not determined
Flash point	not determined
Auto-ignition temperature	not determined
Decomposition temperature	not relevant
pH (value)	not determined
Dynamic viscosity	not determined
Solubility(ies)	not determined

Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available

Vapour pressure	not determined

Density and/or relative density

Density	not determined
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)

9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant

Other safety characteristics

Liquid content	0 %

SECTION 10: Stability and reactivity

10.1 Reactivity

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

If heated:

Exothermic polymerisation

If exposed to light:

Exothermic polymerisation.

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from heat. UV-radiation/sunlight.

10.5 Incompatible materials

Reducing agents, There is no additional information.

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.

Acute toxicity estimate (ATE) of components

Name of substance	CAS No	Exposure route	ATE
HYDROXYPROPYL METHACRYLATE	27813-02-1	oral	≥2.000 $^{mg}/_{kg}$
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	dermal	>2.000 $^{mg}/_{kg}$
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	dermal	>2.000 $^{mg}/_{kg}$
SILICA DIMETHYL SILYLATE	68611-44-9	inhalation: dust/mist	>0,69 $^{mg}/_{l}$/4h
BHT	128-37-0	dermal	>2.000 $^{mg}/_{kg}$
BENZOYL ISOPROPANOL	7473-98-5	oral	1.694 $^{mg}/_{kg}$
2-HYDROXYETHYL ACRYLATE	818-61-1	oral	960,5 $^{mg}/_{kg}$
2-HYDROXYETHYL ACRYLATE	818-61-1	dermal	>1.000 $^{mg}/_{kg}$
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	oral	>2.000 $^{mg}/_{kg}$
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	dermal	>2.000 $^{mg}/_{kg}$
P-HYDROXYANISOLE	150-76-5	oral	500 $^{mg}/_{kg}$
P-HYDROXYANISOLE	150-76-5	dermal	>2.000 $^{mg}/_{kg}$

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

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.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Acc. to 1272/2008/EC: Toxic 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 (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
HYDROXYPROPYL METHACRYLATE	27813-02-1	LC50	493 mg/l	fish	48 h
HYDROXYPROPYL METHACRYLATE	27813-02-1	ErC50	>97,2 mg/l	algae	72 h
HYDROXYPROPYL METHACRYLATE	27813-02-1	EC50	>143 mg/l	daphnia magna	48 h
DI-HEMA TRIMETHYL-HEXYL DICARBAMATE	72869-86-4	LC50	10,1 mg/l	fish	96 h
DI-HEMA TRIMETHYL-HEXYL DICARBAMATE	72869-86-4	EC50	>1,2 mg/l	aquatic invertebrates	48 h
DI-HEMA TRIMETHYL-HEXYL DICARBAMATE	72869-86-4	ErC50	>0,68 mg/l	algae	72 h
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	LC50	23,1 mg/l	fish	24 h
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	ErC50	>100 mg/l	algae	72 h
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	EC50	72,8 mg/l	algae	72 h
BHT	128-37-0	LC50	>0,57 mg/l	fish	96 h
BHT	128-37-0	EC50	0,48 mg/l	aquatic invertebrates	48 h
BHT	128-37-0	ErC50	>0,4 mg/l	algae	72 h
BENZOYL ISOPROPANOL	7473-98-5	LC50	160 mg/l	fish	48 h
BENZOYL ISOPROPANOL	7473-98-5	EC50	>119 mg/l	aquatic invertebrates	48 h
BENZOYL ISOPROPANOL	7473-98-5	ErC50	1,95 mg/l	algae	72 h
2-HYDROXYETHYL ACRYLATE	818-61-1	LC50	4,8 mg/l	fish	96 h
2-HYDROXYETHYL ACRYLATE	818-61-1	ErC50	6 mg/l	algae	72 h
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	LC50	<10 mg/l	fish	96 h
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	EC50	89 mg/l	aquatic invertebrates	48 h
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	ErC50	65,9 mg/l	algae	72 h
P-HYDROXYANISOLE	150-76-5	ErC50	54,7 mg/l	algae	72 h
P-HYDROXYANISOLE	150-76-5	LC50	28,5 mg/l	rainbow trout (Oncorhynchus mykiss)	96 h

Aquatic toxicity (acute) of components					
Name of substance	**CAS No**	**Endpoint**	**Value**	**Species**	**Exposure time**
P-HYDROXYANISOLE	150-76-5	EC50	3 $^{mg}/_{l}$	daphnia magna	48 h

Aquatic toxicity (chronic) of components					
Name of substance	**CAS No**	**Endpoint**	**Value**	**Species**	**Exposure time**
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	LC50	23,1 $^{mg}/_{l}$	fish	24 h
TRIETHYLENE GLYCOL DIMETHACRYLATE	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
BHT	128-37-0	EC50	0,096 $^{mg}/_{l}$	aquatic invertebrates	21 d
BENZOYL ISOPROPANOL	7473-98-5	EC50	>1.000 $^{mg}/_{l}$	microorganisms	180 min
2-HYDROXYETHYL ACRYLATE	818-61-1	EC50	0,74 $^{mg}/_{l}$	aquatic invertebrates	21 d
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	EC50	>1.000 $^{mg}/_{l}$	microorganisms	30 min
P-HYDROXYANISOLE	150-76-5	LC50	>1,45 $^{mg}/_{l}$	daphnia magna	21 d
P-HYDROXYANISOLE	150-76-5	EC50	1,42 $^{mg}/_{l}$	daphnia magna	21 d

12.2 Persistence and degradability

Degradability of components						
Name of substance	**CAS No**	**Process**	**Degradation rate**	**Time**	**Method**	**Source**
HYDROXYPROPYL METHACRYLATE	27813-02-1	DOC removal	94,2 %	28 d		ECHA Chem
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	carbon dioxide generation	22 %	28 d		ECHA
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	carbon dioxide generation	85 %	28 d		ECHA
BENZOYL ISOPROPANOL	7473-98-5	carbon dioxide generation	≥90 – ≤100 %	28 d		ECHA
2-HYDROXYETHYL ACRYLATE	818-61-1	carbon dioxide generation	79 %	28 d		ECHA
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	carbon dioxide generation	48 %	28 d		ECHA

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components				
Name of substance	**CAS No**	**BCF**	**Log KOW**	**BOD5/COD**
HYDROXYPROPYL METHACRYLATE	27813-02-1		0,97 (20 °C)	
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4		3,39 (20 °C)	
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0		2,3	
BHT	128-37-0	598,4	5,1	
BENZOYL ISOPROPANOL	7473-98-5		1,62 (pH value: 5,75, 25 °C)	
2-HYDROXYETHYL ACRYLATE	818-61-1		-0,17 (25 °C)	
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5		>2,5 – <2,7 (pH value: 6,7, 23 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

12.7 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

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. 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

ADR/RID/ADN	UN 3082
IMDG-Code	UN 3082
ICAO-TI	UN 3082

14.2 UN proper shipping name

	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. DI-HEMA TRIMETHYLHEXYL DICARBAMATE BHT
ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG-Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LI-

	QUID, N.O.S.
ICAO-TI	Environmentally hazardous substance, liquid, n.o.s.

14.3 Transport hazard class(es)

ADR/RID/ADN	9
IMDG-Code	9
ICAO-TI	9

14.4 Packing group

ADR/RID/ADN	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards hazardous to the aquatic environment

14.6 Special precautions for user

See chapter 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

The delivery takes place exclusively in packaging approved and suitable for traffic law.

Information for each of the UN Model Regulations

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

Classification code	M6
Danger label(s)	9, fish and tree

Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274, 335, 375, 601, 650
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	-
Hazard identification No	90

International Maritime Dangerous Goods Code (IMDG) - additional information

Marine pollutant	yes (hazardous to the aquatic environment) (DI-HEMA TRI-METHYLHEXYL DICARBAMATE)
Danger label(s)	9, fish and tree

Special provisions (SP)	274, 335, 375, 969
Excepted quantities (EQ)	E1

Limited quantities (LQ)	5 L
EmS	F-A, S-F
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	9, fish and tree

Special provisions (SP)	A97, A158, A197, A215
Excepted quantities (EQ)	E1
Limited quantities (LQ)	30 kg

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)

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

not relevant

Content of VOC of the product in a ready to use condition

VOC content	13,66 %
Solvent content	0 %

International Nomenclature of Cosmetic Ingredients

Name of substance	CAS No	EC No	Wt%
HYDROXYPROPYL METHACRYLATE	27813-02-1	248-666-3	25 – < 50
ALIPHATIC URETHANE ACRYLATE	n.a.	n.a.	10 – < 25
ALIPHATIC URETHANE ACRYLATE	n.a.	934-754-5	10 – < 25
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	72869-86-4	276-957-5	10 – < 25
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	203-652-6	5 – < 10
SILICA DIMETHYL SILYLATE	68611-44-9	271-893-4	5 – < 10
BHT	128-37-0	204-881-4	0,1 – < 1
BENZOYL ISOPROPANOL	7473-98-5	231-272-0	0,1 – < 1
PENTAMETHYL PIPERIDINYL SESQUISEBACATE	41556-26-7	255-437-1	0,1 – < 1
METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE	82919-37-7	280-060-4	0,1 – < 1
2-HYDROXYETHYL ACRYLATE	818-61-1	212-454-9	0 – < 0,1
TRIPROPYLENE GLYCOL DIACRYLATE	42978-66-5	256-032-2	0 – < 0,1
P-HYDROXYANISOLE	150-76-5	205-769-8	0 – < 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 (water hazard class) 1 slightly hazardous to water

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

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.1		Classification acc. to GHS: change in the listing (table)	yes
2.2	- signal word: danger	- signal word: warning	yes
2.2		- pictograms: change in the listing (table)	yes
2.2		- hazard statements: change in the listing (table)	yes
2.2		- precautionary statements: change in the listing (table)	yes
2.2	- hazardous ingredients for labelling: Hydroxypropyl Methacrylate, Aliphatic Urethane Acrylate, Triethylenglycoldimethacrylate, Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	- hazardous ingredients for labelling: HYDROXYPROPYL METHACRYLATE, DI-HEMA TRIMETHYLHEXYL DICARBAMATE, TRIETHYLENE GLYCOL DIMETHACRYLATE, PENTAMETHYL PIPERIDINYL SESQUISEBACATE, METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE, 2-HYDROXYETHYL ACRYLATE	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.	yes
3.2		Description of the mixture: change in the listing (table)	yes
3.2		Remarks: For full text of abbreviations: see SECTION 16	yes
6.2	Environmental precautions: Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.	Environmental precautions: Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.	yes

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
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	Conditions for safe storage, including any incompatibilities: Protect against: UV-radiation/sunlight, Heat, Cold, Humidity, Keep only in original container, Storage temperature: 10-25°C	yes
7.2		- packaging compatibilities: Only packagings which are approved (e.g. acc. to ADR) may be used.	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
8.1		Biological limit values: change in the listing (table)	yes
8.1		Relevant DNELs of components: change in the listing (table)	yes
8.1		Relevant PNECs of components: change in the listing (table)	yes
9.1	Appearance		yes
9.1	Colour: different	Colour: not determined	yes
9.1	Other safety parameters		yes
9.1	Flammability (solid, gas): not relevant (fluid)	Flammability: this material is combustible, but will not ignite readily	yes
9.1	Evaporation rate: not determined		yes
9.1		Decomposition temperature: not relevant	yes
9.1		Dynamic viscosity: not determined	yes
9.1		Density and/or relative density	yes
9.1	Vapour density: this information is not available		yes
9.1	Viscosity: not determined		yes
9.1	Explosive properties: none		yes
9.1	Oxidising properties: none		yes
9.1		Particle characteristics: not relevant (liquid)	yes
9.2		Information with regard to physical hazard classes: hazard classes acc. to GHS (physical hazards): not relevant	yes
9.2		Other safety characteristics	yes
10.1		If heated: Exothermic polymerisation	yes
10.1		If exposed to light: Exothermic polymerisation.	yes

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
10.4	Conditions to avoid: There are no specific conditions known which have to be avoided.	Conditions to avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from heat. UV-radiation/sunlight.	yes
10.5	Incompatible materials: Oxidisers	Incompatible materials: Reducing agents, There is no additional information.	yes
11.1	Acute toxicity: Shall not be classified as acutely toxic.GHS of the United Nations, annex 4: May be harmful if inhaled.	Acute toxicity: Shall not be classified as acutely toxic.	yes
11.1		Acute toxicity estimate (ATE) of components: change in the listing (table)	yes
11.1	Serious eye damage/eye irritation: Causes serious eye damage.	Serious eye damage/eye irritation: Causes serious eye irritation.	yes
11.2		Information on other hazards: There is no additional information.	yes
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 2, obviously hazardous to water (Germany)	Toxicity: Acc. to 1272/2008/EC: Toxic 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)	yes
12.1		Aquatic toxicity (acute) of components: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components: change in the listing (table)	yes
12.2		Degradability of components: change in the listing (table)	yes
12.3		Bioaccumulative potential of components: change in the listing (table)	yes
12.5	Results of PBT and vPvB assessment: Data are not available.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.	yes
12.6	Other adverse effects: Data are not available.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.	yes
13.1	Waste treatment of containers/packagings: Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	Waste treatment of containers/packagings: It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	yes
14.1	UN number: not subject to transport regulations	UN number	yes
14.1		ADR/RID/ADN: UN 3082	yes
14.1		IMDG-Code: UN 3082	yes
14.1		ICAO-TI: UN 3082	yes

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.2	UN proper shipping name: not relevant	UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. DI-HEMA TRIMETHYLHEXYL DICARBAMATE BHT	yes
14.2		ADR/RID/ADN: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	yes
14.2		IMDG-Code: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	yes
14.2		ICAO-TI: Environmentally hazardous substance, liquid, n.o.s.	yes
14.3	Transport hazard class(es): none	Transport hazard class(es)	yes
14.3		ADR/RID/ADN: 9	yes
14.3		IMDG-Code: 9	yes
14.3		ICAO-TI: 9	yes
14.4	Packing group: not relevant	Packing group	yes
14.4		ADR/RID/ADN: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.5	Environmental hazards: non-environmentally hazardous acc. to the dangerous goods regulations	Environmental hazards: hazardous to the aquatic environment	yes
14.6	Special precautions for user: There is no additional information.	Special precautions for user: See chapter 6 to 8.	yes
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.	Maritime transport in bulk according to IMO instruments: The delivery takes place exclusively in packaging approved and suitable for traffic law.	yes
14.7	Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN): Not subject to ADR, RID and ADN.	Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information	yes
14.7		Classification code: M6	yes
14.7		Danger label(s): 9, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Environmental hazards: yes (hazardous to the aquatic environment)	yes
14.7		Special provisions (SP): 274, 335, 375, 601, 650	yes

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 5 L	yes
14.7		Transport category (TC): 3	yes
14.7		Tunnel restriction code (TRC): -	yes
14.7		Hazard identification No: 90	yes
14.7	International Maritime Dangerous Goods Code (IMDG): Not subject to IMDG.	International Maritime Dangerous Goods Code (IMDG) - additional information	yes
14.7		Marine pollutant: yes (hazardous to the aquatic environment) (DI-HEMA TRIMETHYLHEXYL DICARBAMATE)	yes
14.7		Danger label(s): 9, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): 274, 335, 375, 969	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 5 L	yes
14.7		EmS: F-A, S-F	yes
14.7		Stowage category: A	yes
14.7	International Civil Aviation Organization (ICAO-IATA/DGR): Not subject to ICAO-IATA.	International Civil Aviation Organization (ICAO-IATA/DGR) - additional information	yes
14.7		Environmental hazards: yes (hazardous to the aquatic environment)	yes
14.7		Danger label(s): 9, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): A97, A158, A197, A215	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 30 kg	yes
15.1		List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list: not relevant	yes
15.1	VOC content: 0 %	VOC content: 13,66 %	yes

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
15.1		International Nomenclature of Cosmetic Ingredients: change in the listing (table)	yes
15.1	Wassergefährdungsklasse, WGK (water hazard class): 2 obviously hazardous to water	Wassergefährdungsklasse, WGK (water hazard class): 1 slightly hazardous to water	yes
16		Abbreviations and acronyms: change in the listing (table)	yes
16	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).	Key literature references and sources for data: Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").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).	yes
16		List of relevant phrases (code and full text as stated in section 2 and 3): change in the listing (table)	yes

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 relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
ADR/RID/ADN	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)
AGW	Workplace exposure limit
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)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand
DFG	Deutsche Forschungsgemeinschaft MAK-und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Wiley-VCH, Weinheim
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval

Abbr.	Descriptions of used abbreviations
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)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
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
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LGK	Lagerklasse (storage class according to TRGS 510, Germany)
log KOW	n-Octanol/water
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
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
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
SVHC	Substance of Very High Concern
TRGS	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany)
TRGS 900	Arbeitsplatzgrenzwerte (TRGS 900)
TWA	Time-weighted average
VOC	Volatile Organic Compounds

Abbr.	Descriptions of used abbreviations
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").
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 section 2 and 3)

Code	Text
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful 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.