

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel - Stress-less (various products)

Revision date: 20.09.2022

Product code: 91529-X

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Bio Glass Gel - Stress-less (various products)

Further trade names

91529-1, 91529-2, 91919, 91920, 91582-1, 91582-2

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

Cosmetics, personal care products

Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Company name:	Wilde Cosmetics GmbH	
Street:	Rheingastr. 19a	
Place:	D-65375 Oestrich-Winkel	
Post-office box:	1220	
	D-65368 Oestrich-Winkel	
Telephone:	+49-6723-6020-0	Telefax: +49-6723-6020-15
e-mail:	info@wilde-group.com	
Contact person:	Dr. Beate Kerntopf	Telephone: -752
Internet:	www.wilde-group.com	

1.4. Emergency telephone number:

+49-6723-6020-0 This telephone number is available during office hours only.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Skin Irrit. 2; H315
 Eye Dam. 1; H318
 Skin Sens. 1; H317
 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

The Product is subject to the German Cosmetics Ordinance.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

DI-HEMA TRIMETHYLHEXYL DICARBAMATE
 URETHANE ACRYLATE
 HYDROXYPROPYL METHACRYLATE
 HEMA-PHOSPHATE
 (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
 METHYL BENZOYLFORMATE

Signal word: Danger**Pictograms:**

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Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see ... on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
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.
P391	Collect spillage.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

Special labelling of certain mixtures

Restricted to professional users.

2.3. Other hazards

Keep out of the reach of children. Harmful in contact with skin and if swallowed. Causes severe burns. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Cosmetics, personal care products: resinoid
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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
72869-86-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE			25-50 %
	276-957-5		01-2120751202-68	
	Skin Sens. 1, Aquatic Chronic 2; H317 H411			
	URETHANE ACRYLATE			25-50 %
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H315 H319 H317 H412			
27813-02-1	HYDROXYPROPYL METHACRYLATE			5-10 %
	248-666-3		01-2119490226-37	
	Eye Irrit. 2, Skin Sens. 1; H319 H317			
1187441-10-6	HEMA-PHOSPHATE			1-5 %
	810-703-1		01-2120140608-57	
	Eye Dam. 1, Skin Sens. 1B; H318 H317			
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate			1-5 %
	256-032-2	607-249-00-X		
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3, Aquatic Chronic 2; H315 H319 H317 H335 H411			
15206-55-0	METHYL BENZOYLFORMATE			0,1-1 %
	239-263-3		01-2120101338-67	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
72869-86-4	276-957-5	DI-HEMA TRIMETHYLHEXYL DICARBAMATE	25-50 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	
		URETHANE ACRYLATE	25-50 %
		oral: LD50 = >5000 mg/kg	
27813-02-1	248-666-3	HYDROXYPROPYL METHACRYLATE	5-10 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = >2000 mg/kg	
1187441-10-6	810-703-1	HEMA-PHOSPHATE	1-5 %
		oral: LD50 = >2000 mg/kg	
42978-66-5	256-032-2	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	1-5 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg STOT SE 3; H335: >= 10 - 100	
15206-55-0	239-263-3	METHYL BENZOYLFORMATE	0,1-1 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >6800 mg/kg	

Further Information

The Product is subject to the German Cosmetics Ordinance.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Evacuate personnel to safe areas. Take off all contaminated clothing immediately. Consult a physician if necessary. Show this safety data sheet to the doctor in attendance.
If unconscious place in recovery position and seek medical advice.

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After inhalation

Move to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

After contact with skin

In case of contact, immediately flush skin with soap and plenty of water. If skin irritation occurs, seek medical advice/attention. In case of accidental skin contact avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.

After contact with eyes

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

In case of accidental eye contact avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of eye.

After ingestion

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

No data is available on the product itself.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. In case of lung irritation, first treatment with dexametason aerosol (spray).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Polymerization can occur. Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers. Heating or fire can release toxic gas. Use water spray to cool unopened containers.

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

Keep away from sources of ignition - No smoking.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use only explosion-proof equipment.

Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Ensure adequate ventilation. Evacuate personnel to safe areas. Use personal protective equipment. Keep away from sources of ignition - No smoking. Avoid breathing vapors, mist or gas. Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

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Other information

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Ensure adequate ventilation. Use explosion-proof equipment.

6.4. Reference to other sections

13. Disposal considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only with adequate ventilation. Handle and open container with care. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice. Take notice of labels and material safety data sheets for the working chemicals. Refer also to instructions for use.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Keep away from heat. May be ignited by open flame.

Advice on general occupational hygiene

Provide sufficient air exchange and/or exhaust in work rooms. Handle and open container with care. Keep away from food, drink and animal feedingstuffs. Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately. Wash hands before breaks and at the end of workday.

Further information on handling

Polymerisation occurs when exposed to white light, ultraviolet light or heat.
Refer also to instructions for use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Protect from frost, heat and sunlight. Polymerisation occurs when exposed to white light, ultraviolet light or heat.

Hints on joint storage

Do not store together with: Material, oxygen-rich, Oxidising; Explosives; alkalines.

Further information on storage conditions

Recommended storage temperature: >18 - <25 °C. Short-term maximum storage temperature permitted: 40 °C.

7.3. Specific end use(s)

Cosmetic product

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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DNEL/DMEL values

CAS No	Substance			
DNEL type	Exposure route	Effect	Value	
72869-86-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE			
Worker DNEL, long-term	inhalation	systemic	3,3 mg/m ³	
Worker DNEL, long-term	dermal	systemic	1,3 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	0,6 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	0,7 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	0,3 mg/kg bw/day	
27813-02-1	HYDROXYPROPYL METHACRYLATE			
Worker DNEL, long-term	inhalation	systemic	14,7 mg/m ³	
Worker DNEL, long-term	dermal	systemic	4,2 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	8,8 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	2,5 mg/kg bw/day	
1187441-10-6	HEMA-PHOSPHATE			
Worker DNEL, long-term	inhalation	systemic	7,05 mg/m ³	
Worker DNEL, long-term	dermal	systemic	1 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	3,53 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	0,5 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	0,5 mg/kg bw/day	
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate			
Worker DNEL, long-term	inhalation	systemic	2,35 mg/m ³	
Worker DNEL, long-term	dermal	systemic	1,7 mg/kg bw/day	
15206-55-0	METHYL BENZOYLFORMATE			
Worker DNEL, long-term	dermal	systemic	3,33 mg/kg bw/day	
Consumer DNEL, long-term	dermal	systemic	1,67 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	1,67 mg/kg bw/day	

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PNEC values

CAS No	Substance	
Environmental compartment		Value
72869-86-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE	
Freshwater		0,01 mg/l
Freshwater (intermittent releases)		0,1 mg/l
Marine water		0,001 mg/l
Marine water (intermittent releases)		0,1 mg/l
Freshwater sediment		4,56 mg/kg
Marine sediment		0,46 mg/kg
Micro-organisms in sewage treatment plants (STP)		3,61 mg/l
Soil		0,91 mg/kg
27813-02-1	HYDROXYPROPYL METHACRYLATE	
Freshwater		0,904 mg/l
Freshwater (intermittent releases)		0,972 mg/l
Marine water		0,904 mg/l
Marine water (intermittent releases)		0,972 mg/l
Freshwater sediment		6,28 mg/kg
Marine sediment		6,28 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,727 mg/kg
1187441-10-6	HEMA-PHOSPHATE	
Freshwater		0,165 mg/l
Freshwater (intermittent releases)		1,65 mg/l
Marine water		0,0165 mg/l
Marine water (intermittent releases)		1,65 mg/l
Freshwater sediment		2,8 mg/kg
Marine sediment		0,28 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,4 mg/l
Soil		0,46 mg/kg
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	
Freshwater		0,0046 mg/l
Freshwater (intermittent releases)		0,046 mg/l
Marine water		0,00046 mg/l
Freshwater sediment		0,487 mg/kg
Marine sediment		0,0487 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,0945 mg/kg
15206-55-0	METHYL BENZOYLFORMATE	
Freshwater		0,0686 mg/l
Freshwater (intermittent releases)		0,686 mg/l
Marine water		0,00686 mg/l
Freshwater sediment		0,47 mg/kg

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Marine sediment	0,047 mg/kg
Micro-organisms in sewage treatment plants (STP)	39 mg/l
Soil	0,027 mg/kg

Additional advice on limit values

No data is available on the product itself.

8.2. Exposure controls



Appropriate engineering controls

Information about special precautions needed for bulk handling is available on request. Handle in accordance with good industrial hygiene and safety practice. To avoid risks to man and the environment, comply with the instructions for use.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly fitting safety goggles

Hand protection

Use protective skin cream before handling the product.

Nitrile rubber/Neoprene-Wear protective gloves.

Break through time: ≥ 1 h

Glove thickness: 0,5 mm

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Replace when worn.

Skin protection

Protective suit: Long sleeved clothing.

Respiratory protection

Use only with adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

Environmental exposure controls

The product should not be allowed to enter drains, water courses or the soil. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	viscous liquid
Colour:	pigmented
Odour:	characteristic

Changes in the physical state

Boiling point or initial boiling point and boiling range:	120 °C
Flash point:	100 °C
Auto-ignition temperature:	340 °C
Water solubility:	insoluble

Solubility in other solvents

miscible with most organic solvents: Acetone, Alcohol

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Vapour pressure:
(at 20 °C) 0,0066 hPa

Density (at 20 °C): ca. 1,15 g/cm³

SECTION 10: Stability and reactivity

10.1. Reactivity

No data is available on the product itself.

10.2. Chemical stability

Keep containers tightly closed in a cool, well-ventilated place.

10.3. Possibility of hazardous reactions

Polymerization can occur.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight. Exposure to light.
Heat, flames and sparks.
Polymerization can occur.
Do not smoke.

10.5. Incompatible materials

Strong oxidizing agents, Strong acids and strong bases, Peroxides

10.6. Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.
Oxidizing and spontaneously flammable products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicokinetics, metabolism and distribution

No data is available on the product itself.

Acute toxicity

Based on available data, the classification criteria are not met.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
72869-86-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE				
	oral	LD50 >5000 mg/kg	rat		OECD Test Guideline 401
	dermal	LD50 >2000 mg/kg	rat		OECD Test Guideline 402
	URETHANE ACRYLATE				
	oral	LD50 >5000 mg/kg	rat		
27813-02-1	HYDROXYPROPYL METHACRYLATE				
	oral	LD50 >2000 mg/kg	rat		OECD Test Guideline 401
	dermal	LD50 >5000 mg/kg	rabbit		
1187441-10-6	HEMA-PHOSPHATE				
	oral	LD50 >2000 mg/kg	Rat		OECD 423
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate				
	oral	LD50 >2000 mg/kg	rat		OECD Test Guideline 401
	dermal	LD50 >2000 mg/kg	rabbit		OECD Test Guideline 402
15206-55-0	METHYL BENZOYLFORMATE				
	oral	LD50 >6800 mg/kg	rat		OECD Test Guideline 401
	dermal	LD50 >2000 mg/kg	rat		OECD Test Guideline 402

Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

Sensitising effects

May cause an allergic skin reaction. (DI-HEMA TRIMETHYLHEXYL DICARBAMATE; URETHANE ACRYLATE; HYDROXYPROPYL METHACRYLATE; HEMA-PHOSPHATE; (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate; METHYL BENZOYLFORMATE)

Carcinogenic/mutagenic/toxic effects for reproduction

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.

Specific effects in experiment on an animal

No data is available on the product itself.

Practical experience

Health injuries are not known or expected under normal use.

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SECTION 12: Ecological information

12.1. Toxicity

No data is available on the product itself.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
72869-86-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE					
	Acute fish toxicity	LC50 mg/l	10,1	96 h	Danio rerio (zebrafish)	OECD Test Guideline 203
	Acute algae toxicity	ErC50 mg/l	>0,68	72 h	Desmodesmus subspicatus	OECD Test Guideline 201
	Acute crustacea toxicity	EC50 mg/l	>1,2	48 h	Daphnia magna (Big water flea)	OECD Test Guideline 202
	Algae toxicity	NOEC mg/l	0,21	3 d	Desmodesmus subspicatus	OECD Test Guideline 201
	Crustacea toxicity	NOEC mg/l	>1,2	2 d	Daphnia magna (Big water flea)	OECD Test Guideline 202
27813-02-1	HYDROXYPROPYL METHACRYLATE					
	Acute fish toxicity	LC50	493 mg/l	96 h	Leuciscus idus (golden orfe)	DIN 38412 / part 15
	Acute algae toxicity	ErC50 mg/l	>97,2	72 h	Pseudokirchneriella subcapitata	OECD Test Guideline 201
	Acute crustacea toxicity	EC50 mg/l	>143	48 h	Daphnia magna (Water flea)	OECD Test Guideline 202
	Algae toxicity	NOEC mg/l	97,2	3 d	Pseudokirchneriella subcapitata	OECD Test Guideline 201
	Crustacea toxicity	NOEC mg/l	45,2	21 d	Daphnia magna (Water flea)	OECD 211
1187441-10-6	HEMA-PHOSPHATE					
	Acute fish toxicity	LC50	100 mg/l	96 h	Cyprinus carpio (Common Carp)	OECD Test Guideline 203
	Acute algae toxicity	ErC50	165 mg/l	72 h	Selenastrum capricornutum (green algae)	OECD Test Guideline 201
	Acute crustacea toxicity	EC50	100 mg/l	48 h	Daphnia magna (Big water flea)	OECD Test Guideline 202
	Fish toxicity	NOEC	100 mg/l	4 d	Cyprinus carpio (Common Carp)	OECD Test Guideline 203
	Algae toxicity	NOEC	49 mg/l	3 d	Selenastrum capricornutum (green algae)	OECD Test Guideline 201
	Crustacea toxicity	NOEC	100 mg/l	2 d	Daphnia magna (Big water flea)	OECD Test Guideline 202
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate					
	Acute fish toxicity	LC50 mg/l	>4,6	96 h	Leuciscus idus (Golden orfe)	DIN 38412
	Acute algae toxicity	ErC50 mg/l	65,9	72 h	Desmodesmus subspicatus	DIN 38412
	Acute crustacea toxicity	EC50	89 mg/l	48 h	Daphnia magna (Water flea)	
	Fish toxicity	NOEC mg/l	2,15	4 d	Leuciscus idus (Golden orfe)	DIN 38412
	Algae toxicity	NOEC	6,6 mg/l	3 d	Desmodesmus subspicatus	DIN 38412
	Acute bacteria toxicity	(EC50 mg/l)	>1000	0,5 h	Activated sludge	OECD 209

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15206-55-0	METHYL BENZOYLFORMATE					
	Acute fish toxicity	LC50	120 mg/l	96 h	Danio rerio (zebrafish)	OECD Test Guideline 203
	Acute algae toxicity	ErC50 mg/l	94,4	72 h	Pseudokirchneriella subcapitata	OECD Test Guideline 201
	Acute crustacea toxicity	EC50 mg/l	>120	48 h	Daphnia magna (Big water flea)	OECD Test Guideline 202
	Crustacea toxicity	NOEC mg/l	>=120	2 d	Daphnia magna (Water flea)	OECD Test Guideline 202
	Acute bacteria toxicity	(EC50 mg/l)	1000	3 h	Respiration inhibition of activated sludge	OECD 209

12.2. Persistence and degradability

No data is available on the product itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
72869-86-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	22%	28	
	Not readily biodegradable (according to OECD criteria)			
27813-02-1	HYDROXYPROPYL METHACRYLATE			
	OECD 301C	81%	28	
	Readily biodegradable (according to OECD criteria).			
1187441-10-6	HEMA-PHOSPHATE			
	OECD 301D/ EEC 92/69/V, C.4-E	71%	28	
	Readily biodegradable			
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate			
	OECD 301B	48%	28	
	Moderately/partially biodegradable.			
15206-55-0	METHYL BENZOYLFORMATE			
	OECD 301B	90-100%	28	
	Readily biodegradable.			

12.3. Bioaccumulative potential

No data is available on the product itself.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
72869-86-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE	3,39
27813-02-1	HYDROXYPROPYL METHACRYLATE	0,97
1187441-10-6	HEMA-PHOSPHATE	3
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	2,6
15206-55-0	METHYL BENZOYLFORMATE	1,9

BCF

CAS No	Chemical name	BCF	Species	Source
27813-02-1	HYDROXYPROPYL METHACRYLATE	3,2		

12.4. Mobility in soil

No data is available on the product itself.

12.5. Results of PBT and vPvB assessment

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The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

No data is available on the product itself.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of contents/container in accordance with local regulation.

List of Wastes Code - residues/unused products

080199 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; wastes not otherwise specified

List of Wastes Code - used product

080199 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; wastes not otherwise specified

List of Wastes Code - contaminated packaging

080199 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; wastes not otherwise specified

Contaminated packaging

Dispose of contents/container in accordance with local regulation.

Solidify unexposed surplus and dispose of together with processed material as cured plastic waste.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	UN 1760
<u>14.2. UN proper shipping name:</u>	CORROSIVE LIQUID, N.O.S. (HEMA-PHOSPHATE)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8



Classification code:	C9
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	UN 1760
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14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (HEMA-PHOSPHATE)

14.3. Transport hazard class(es): 8

14.4. Packing group: III

Hazard label: 8



Classification code: C9

Special Provisions: 274

Limited quantity: 5 L

Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 1760

14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (HEMA-PHOSPHATE)

14.3. Transport hazard class(es): 8

14.4. Packing group: III

Hazard label: 8



Special Provisions: 223, 274

Limited quantity: 5 L

Excepted quantity: E1

EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1760

14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (HEMA-PHOSPHATE)

14.3. Transport hazard class(es): 8

14.4. Packing group: III

Hazard label: 8



Special Provisions: A3 A803

Limited quantity Passenger: 1 L

Passenger LQ: Y841

Excepted quantity: E1

IATA-packing instructions - Passenger: 852

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 856

IATA-max. quantity - Cargo: 60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: DI-HEMA TRIMETHYLHEXYL DICARBAMATE,
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate

14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice. To avoid risks to man and the environment, comply with the instructions for use.

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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2004/42/EC (VOC): 1,251 % (14,387 g/l)
 Subcategory according to Directive 2004/42/EC: Special finishes - All types, VOC limit value: 840 g/l

Information according to 2012/18/EU (SEVESO III): E2 Hazardous to the Aquatic Environment

Additional information

Other labelling like: Kosmetikverordnung

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 3 - highly hazardous to water

SECTION 16: Other information**Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

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.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

Further Information

All data refer to the product upon delivery

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

In case of emergency call CHEMTREC 1-800-424-9300.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)