

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 1 of 18

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

Bio Glass Gel Sealer - Stress-less

Further trade names

91530, 91583

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**

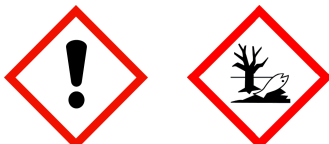
Skin Irrit. 2; H315
 Eye Irrit. 2; H319
 Skin Sens. 1; H317
 Aquatic Chronic 2; H411

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**

TRIETHYLENE GLYCOL DIMETHACRYLATE
 DIETHYLENE GLYCOL DIMETHACRYLATE
 PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE
 HYDROXYPROPYL METHACRYLATE
 ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

Signal word: Warning**Pictograms:****Hazard statements**

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 2 of 18

H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
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.
P337+P313 If eye irritation persists: Get medical advice/attention.
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. Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. To avoid risks to man and the environment, comply with the instructions for use.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Cosmetics, personal care products: resinoid
Restricted to professional users.

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 3 of 18

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
109-16-0	TRIETHYLENE GLYCOL DIMETHACRYLATE			10-25 %
	203-652-6		01-2119969287-21	
	Skin Sens. 1; H317			
2358-84-1	DIETHYLENE GLYCOL DIMETHACRYLATE			10-25 %
	219-099-9			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3, Aquatic Chronic 3; H315 H319 H317 H335 H412			
7575-23-7	PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE			10-25 %
	231-472-8		01-2119486981-23	
	Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 1; H302 H317 H410			
3290-92-4	TRIMETHYLOLPROPANE TRIMETHACRYLATE			5-10 %
	221-950-4		01-2119542176-41	
	Aquatic Chronic 2; H411			
27813-02-1	HYDROXYPROPYL METHACRYLATE			1-5 %
	248-666-3		01-2119490226-37	
	Eye Irrit. 2, Skin Sens. 1; H319 H317			
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE			1-5 %
	282-810-6		01-2119987994-10	
	Skin Sens. 1B, Aquatic Chronic 2; H317 H411			

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	
109-16-0	203-652-6	TRIETHYLENE GLYCOL DIMETHACRYLATE	10-25 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = 10837 mg/kg	
2358-84-1	219-099-9	DIETHYLENE GLYCOL DIMETHACRYLATE	10-25 %
		oral: LD50 = 3790 mg/kg	
7575-23-7	231-472-8	PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE	10-25 %
		inhalation: LC50 = >3,363 mg/l (dusts or mists); oral: LD50 = >1000 mg/kg	
3290-92-4	221-950-4	TRIMETHYLOLPROPANE TRIMETHACRYLATE	5-10 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
27813-02-1	248-666-3	HYDROXYPROPYL METHACRYLATE	1-5 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = >2000 mg/kg	
84434-11-7	282-810-6	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE	1-5 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 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.

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 4 of 18

If unconscious place in recovery position and seek medical advice.

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.

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.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

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. 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

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 5 of 18

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).

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

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 6 of 18

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
109-16-0	TRIETHYLENE GLYCOL DIMETHACRYLATE			
Worker DNEL, long-term		inhalation	systemic	48,5 mg/m ³
Worker DNEL, long-term		dermal	systemic	13,9 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	14,5 mg/m ³
Consumer DNEL, long-term		dermal	systemic	8,33 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	8,33 mg/kg bw/day
2358-84-1	DIETHYLENE GLYCOL DIMETHACRYLATE			
Worker DNEL, long-term		inhalation	systemic	74 mg/m ³
Worker DNEL, long-term		dermal	systemic	21 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	13,1 mg/m ³
Consumer DNEL, long-term		dermal	systemic	7,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	7,5 mg/kg bw/day
7575-23-7	PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE			
Worker DNEL, long-term		inhalation	systemic	1,74 mg/m ³
Worker DNEL, long-term		inhalation	local	40,13 mg/m ³
Worker DNEL, acute		inhalation	local	40,13 mg/m ³
Worker DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,43 mg/m ³
Consumer DNEL, long-term		inhalation	local	20,07 mg/m ³
Consumer DNEL, acute		inhalation	local	20,07 mg/m ³
Consumer DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,25 mg/kg bw/day
3290-92-4	TRIMETHYLOLPROPANE TRIMETHACRYLATE			
Worker DNEL, long-term		inhalation	systemic	14,81 mg/m ³
Worker DNEL, long-term		dermal	systemic	42 mg/kg bw/day
Worker DNEL, long-term		dermal	local	9,33 mg/cm ²
Consumer DNEL, long-term		inhalation	systemic	2,6 mg/m ³
Consumer DNEL, long-term		dermal	systemic	15 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	4,67 mg/cm ²
Consumer DNEL, long-term		oral	systemic	1,5 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
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE			
Worker DNEL, long-term		inhalation	systemic	4,93 mg/m ³

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 7 of 18

Worker DNEL, long-term	dermal	systemic	1,4 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,87 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

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 8 of 18

PNEC values

CAS No	Substance	Value
Environmental compartment		
109-16-0	TRIETHYLENE GLYCOL DIMETHACRYLATE	
Freshwater		0,0164 mg/l
Freshwater (intermittent releases)		0,0164 mg/l
Marine water		0,00164 mg/l
Freshwater sediment		0,185 mg/kg
Marine sediment		0,0185 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,7 mg/l
Soil		0,0274 mg/kg
2358-84-1	DIETHYLENE GLYCOL DIMETHACRYLATE	
Freshwater		0,0234 mg/l
Freshwater (intermittent releases)		0,00416 mg/l
Marine water		0,00234 mg/l
Marine water (intermittent releases)		0,000416 mg/l
Freshwater sediment		0,222 mg/kg
Marine sediment		0,0222 mg/kg
Micro-organisms in sewage treatment plants (STP)		128 mg/l
Soil		0,0307 mg/kg
7575-23-7	PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE	
Freshwater		0,00003 mg/l
Freshwater (intermittent releases)		0,00034 mg/l
Marine water		0,0000034 mg/l
Freshwater sediment		0,00102 mg/kg
Marine sediment		0,000102 mg/kg
Micro-organisms in sewage treatment plants (STP)		2,39 mg/l
Soil		0,000184 mg/kg
3290-92-4	TRIMETHYLOLPROPANE TRIMETHACRYLATE	
Freshwater		0,00276 mg/l
Freshwater (intermittent releases)		0,02 mg/l
Marine water		0,000276 mg/l
Freshwater sediment		0,4951 mg/kg
Marine sediment		0,04951 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,0974 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

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 9 of 18

Micro-organisms in sewage treatment plants (STP)	10 mg/l
Soil	0,727 mg/kg
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE
Freshwater	0,00101 mg/l
Freshwater (intermittent releases)	0,0101 mg/l
Marine water	0,000101 mg/l
Marine water (intermittent releases)	0,00101 mg/l
Freshwater sediment	0,24 mg/kg
Marine sediment	0,024 mg/kg
Soil	0,047 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.

Suitable material: 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

Boiling point or initial boiling point and boiling range: $>161,3$ °C

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 10 of 18

Flash point:	>130 °C
Auto-ignition temperature:	>200 °C
Water solubility:	insoluble
Solubility in other solvents	
miscible with most organic solvents: Acetone, Alcohol	
Vapour pressure:	0,00077 hPa
(at 20 °C)	
Density (at 20 °C):	1,14 g/cm ³

SECTION 10: Stability and reactivity

10.1. Reactivity

Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

10.2. Chemical stability

Keep containers tightly closed in a cool, well-ventilated place. Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Polymerization can occur.

10.4. Conditions to avoid

Exposure to light. Keep away from direct sunlight. Do not expose to temperatures above 40 °C.

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.

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.

ATEmix calculated

ATE (oral) 4587 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 11 of 18

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
109-16-0	TRIETHYLENE GLYCOL DIMETHACRYLATE				
	oral	LD50 mg/kg	10837	rat	
	dermal	LD50 mg/kg	>2000	mouse	
2358-84-1	DIETHYLENE GLYCOL DIMETHACRYLATE				
	oral	LD50 mg/kg	3790	Rat	ECHA OECD 401
7575-23-7	PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE				
	oral	LD50 mg/kg	>1000	Rat	OECD 423
	inhalation (4 h) dust/mist	LC50 mg/l	>3,363	Rat	OECD 403
3290-92-4	TRIMETHYLOLPROPANE TRIMETHACRYLATE				
	oral	LD50 mg/kg	>2000	rat	OECD 423
	dermal	LD50 mg/kg	>2000	rat	OECD 402
27813-02-1	HYDROXYPROPYL METHACRYLATE				
	oral	LD50 mg/kg	>2000	rat	OECD Test Guideline 401
	dermal	LD50 mg/kg	>5000	rabbit	
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE				
	oral	LD50 mg/kg	>5000	rat	OECD 401
	dermal	LD50 mg/kg	>2000	rat	OECD 402

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (TRIETHYLENE GLYCOL DIMETHACRYLATE; DIETHYLENE GLYCOL DIMETHACRYLATE; PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE; HYDROXYPROPYL METHACRYLATE; ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE)

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.

11.2. Information on other hazards

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 12 of 18

Other information

Health injuries are not known or expected under normal use.

SECTION 12: Ecological information

12.1. Toxicity

No data is available on the product itself.

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 13 of 18

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
109-16-0	TRIETHYLENE GLYCOL DIMETHACRYLATE					
	Acute fish toxicity	LC50 mg/l	16,4	96 h	Brachydanio rerio (zebra fish)	OECD Test Guideline 203
	Acute algae toxicity	ErC50 mg/l	>100	72 h	Pseudokirchneriella subcapitata	OECD Test Guideline 201
	Algae toxicity	NOEC	61 mg/l	3 d	Pseudokirchneriella subcapitata	OECD Test Guideline 201
	Crustacea toxicity	NOEC	32 mg/l	21 d	Daphnia magna (Big water flea)	OECD 211
2358-84-1	DIETHYLENE GLYCOL DIMETHACRYLATE					
	Acute fish toxicity	LC50 mg/l	48,787	96 h		ECHA Calculation method.
	Acute algae toxicity	ErC50 mg/l	0,416			ECHA Calculation method.
	Acute crustacea toxicity	EC50 mg/l	38,331	48 h		ECHA Calculation method.
	Fish toxicity	NOEC mg/l	4,353			ECHA Calculation method.
	Algae toxicity	NOEC mg/l	0,234			ECHA Calculation method.
	Crustacea toxicity	NOEC mg/l	3,748			ECHA Calculation method.
	Acute bacteria toxicity	(EC50 mg/l)	1280			ECHA Calculation method.
7575-23-7	PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE					
	Acute fish toxicity	LC50 mg/l	0,034	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203
	Acute algae toxicity	ErC50 mg/l	>0,12	72 h	Desmodesmus subspicatus	OECD 201
	Acute crustacea toxicity	EC50 mg/l	>0,35	48 h	Daphnia magna (Big water flea)	OECD 202
	Fish toxicity	NOEC mg/l	0,017	4 d	Oncorhynchus mykiss (Rainbow trout)	OECD 203
	Algae toxicity	NOEC mg/l	0,12	3 d	Desmodesmus subspicatus	OECD 201
	Crustacea toxicity	NOEC mg/l	0,35	2 d	Daphnia magna (Big water flea)	OECD 202
3290-92-4	TRIMETHYLOLPROPANE TRIMETHACRYLATE					
	Acute fish toxicity	LC50	2 mg/l	96 h	Oncorhynchus mykiss (rainbow trout)	OECD 203
	Acute algae toxicity	ErC50 mg/l	3,88	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50 mg/l	>9,22	48 h	Daphnia magna (Water flea)	OECD 202
	Fish toxicity	NOEC mg/l	0,138	32 d	Pimephales promelas (fathead minnow)	OECD 210
	Algae toxicity	NOEC mg/l	0,177	3 d	Pseudokirchneriella subcapitata	OECD 201
	Crustacea toxicity	NOEC mg/l	>9,2	2 d	Daphnia magna (Water flea)	OECD 202

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 14 of 18

	Acute bacteria toxicity	(EC50 mg/l)	1000	3 h	Activated sludge		OECD 209
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
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE						
	Acute fish toxicity	LC50 mg/l	1,89	96 h	Brachydanio rerio (zebra fish)		OECD Test Guideline 203
	Acute algae toxicity	ErC50 mg/l	1,01	72 h	Desmodesmus subspicatus		OECD Test Guideline 201
	Acute crustacea toxicity	EC50 mg/l	2,26	48 h	Daphnia magna (Water flea)		OECD Test Guideline 202
	Fish toxicity	NOEC mg/l	>=1,29	4 d	Brachydanio rerio (zebra fish)		OECD Test Guideline 203
	Acute bacteria toxicity	(EC50 mg/l)	>1000	3 h	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			
109-16-0	TRIETHYLENE GLYCOL DIMETHACRYLATE			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	85%	28	
	Readily biodegradable.			
7575-23-7	PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE			
	OECD 301B	26%	28	
	Not readily biodegradable.			
3290-92-4	TRIMETHYLOLPROPANE TRIMETHACRYLATE			
	OECD 301B	53%	28	
	Not readily biodegradable.			
27813-02-1	HYDROXYPROPYL METHACRYLATE			
	OECD 301C	81%	28	
	Readily biodegradable (according to OECD criteria).			
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE			
	OECD 301F	<10%	28	
	Not readily biodegradable.			

12.3. Bioaccumulative potential

No data is available on the product itself.

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 15 of 18

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
109-16-0	TRIETHYLENE GLYCOL DIMETHACRYLATE	2,3
2358-84-1	DIETHYLENE GLYCOL DIMETHACRYLATE	1,93
7575-23-7	PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE	2,8
3290-92-4	TRIMETHYLOLPROPANE TRIMETHACRYLATE	4,19
27813-02-1	HYDROXYPROPYL METHACRYLATE	0,97
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE	2,91

BCF

CAS No	Chemical name	BCF	Species	Source
109-16-0	TRIETHYLENE GLYCOL DIMETHACRYLATE	16		
2358-84-1	DIETHYLENE GLYCOL DIMETHACRYLATE	0,943 L/kg ww	aquatic species	ECHA
7575-23-7	PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE	75		
3290-92-4	TRIMETHYLOLPROPANE TRIMETHACRYLATE	270,1		
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

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.

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

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

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 16 of 18


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)

14.1. UN number or ID number:	UN 3082
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9
	
Classification code:	M6
Special Provisions:	274 335 375 601
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	90
Tunnel restriction code:	-

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 3082
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9
	
Classification code:	M6
Special Provisions:	274 335 375 601
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

14.1. UN number or ID number:	UN 3082
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9
	
Special Provisions:	274, 335, 969
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-A, S-F

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 3082
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 17 of 18

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9



Special Provisions:

A97 A158 A197

Limited quantity Passenger:

30 kg G

Passenger LQ:

Y964

Excepted quantity:

E1

IATA-packing instructions - Passenger:

964

IATA-max. quantity - Passenger:

450 L

IATA-packing instructions - Cargo:

964

IATA-max. quantity - Cargo:

450 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

Yes



Danger releasing substance:

PENTAERYTHRITYL TETRAMERCAPTOPROPIONATE, ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

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.

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

2010/75/EU (VOC):

0,008 % (0,091 g/l)

2004/42/EC (VOC):

10,928 % (124,579 g/l)

Subcategory according to Directive

Special finishes - All types, VOC limit value: 840 g/l

2004/42/EC:

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

Safety Data Sheet

according to UK REACH Regulation

Bio Glass Gel Sealer - Stress-less

Revision date: 23.01.2023

Product code: 1501699N

Page 18 of 18

Abbreviations and acronyms

Acute Tox: Acute toxicity

Skin Irrit: Skin irritation

Eye Irrit: Eye irritation

Skin Sens: Skin sensitisation

STOT SE: Specific target organ toxicity - single exposure

Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
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.

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.)