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

1.1. Product identifier

BIO Glass Gel

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

Use of the substance/mixture

Cosmetic product

Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Company name: Wilde Cosmetics GmbH Street: Rheingaustr. 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: beate.kerntopf@wilde-group.com

Contact person: Dr. Beate Kerntopf Telephone: -752

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

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2 Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May cause an allergic skin reaction. Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

The classification is in compliance with coming legislation and therefore may differ from the safety label on the package.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

HYDROXYPROPYL METHACRYLATE

(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate

METHYL BENZOYLFORMATE

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash Wash hands after handling, 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.

P302+P352 IF ON SKIN: Wash with plenty of 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.

P501 Dispose of contents/container to Offer surplus and non-recyclable solutions to a licensed

disposal company..

Special labelling of certain mixtures

EUH204 Contains isocyanates. May produce an allergic reaction.

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. 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

Components / INCI:

Di-HEMA Trimethylhexyl Dicarbamate

Aliphatic Urethane Acrylate Oligomer

Hydroxypropyl Methacrylate

Bis Phosphate

Silica Dimethyl Silylate

Tripropylene Glycol Diacrylate ((1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate)

Calcium Aluminum Borosilicate

Methyl Benzoylformate

CI 77891

Glycerin

Benzaldehyde (benzaldehyde)

Benzoic Acid (benzoic acid)

HEMA (2-hydroxyethyl methacrylate)

HEMA Acetoacetate

CI 77491

Silica

Hectorite

Chitosan

Cysteine

CI 15850 CI 77492

CI 77266

p-Hydroxyanisole (4-methoxyphenol, hydroquinone monomethyl ether, mequinol)

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Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification according to Regulat	•			
41137-60-4	DI-HEMA TRIMETHYLHEXYL DIC	ARBAMATE		25 - 50 %	
	276-957-5				
	Aquatic Chronic 3; H412				
27813-02-1	HYDROXYPROPYL METHACRYL	ATE		5 - 10 %	
	248-666-3		01-2119490226-37		
	Eye Irrit. 2, Skin Sens. 1; H319 H3				
32435-46-4	BIS PHOSPHATE (=Bis-(2-Methac		1 - 5 %		
	251-040-2				
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3				
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(m		1 - 5 %		
	256-032-2	607-249-00-X			
	Eye Irrit. 2, STOT SE 3, Skin Irrit. 2 H411				
15206-55-0	METHYL BENZOYLFORMATE			0,1 - 1 %	
	239-263-3				
	Skin Sens. 1; H317				

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

Further Information

The classification is in compliance with coming legislation and therefore may differ from the safety label on the package.

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.

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 eves

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.

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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

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

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.

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

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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. Keep at temperature not exceeding 40°C.

Advice on storage compatibility

not required

7.3. Specific end use(s)

Cosmetic product

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance				
DNEL type		Exposure route	Effect	Value	
27813-02-1	HYDROXYPROPYL METHACRYLATE				
Consumer DNI	EL, long-term	inhalation	systemic	8,8 mg/m³	
Worker DNEL,	long-term	inhalation	systemic	14,7 mg/m³	
Worker DNEL,	long-term	dermal	systemic	4,2 mg/kg bw/day	
Consumer DNEL, long-term dermal systemic 2,5 mg/kg bw/c				2,5 mg/kg bw/day	
Consumer DNEL, long-term oral systemic 2,5 mg/kg bw/d				2,5 mg/kg bw/day	
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate				
Consumer DNI	EL, long-term	dermal	systemic	1,66 mg/kg bw/day	
Consumer DNEL, long-term inhalation systemic 7,24 mg/m³				7,24 mg/m³	
Worker DNEL, long-term		dermal	systemic	2,77 mg/kg bw/day	
Consumer DNI	EL, long-term	oral	systemic	2,08 mg/kg bw/day	
Worker DNEL, long-term inhalation systemic 24,48 mg/m³				24,48 mg/m³	

PNEC values

CAS No	Substance			
Environmenta	l compartment	Value		
27813-02-1	HYDROXYPROPYL METHACRYLATE			
Marine sedime	ent	6,28 mg/kg		
Freshwater		0,904 mg/l		
Soil		0,727 mg/kg		
Marine water		0,904 mg/l		
Freshwater sediment 6,		6,28 mg/kg		
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate			
Marine water		0,0007 mg/l		
Soil		0,00243 mg/kg		
Freshwater		0,0073 mg/l		
Freshwater sediment 0,019 mg/l		0,019 mg/kg		
Micro-organisms in sewage treatment plants (STP) 100 mg/l				

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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.

Protective and hygiene measures

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.

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

Changes in the physical state	
Initial boiling point and boiling range:	> 200 °C
Flash point:	>100 °C
Ignition temperature:	355 °C
Vapour pressure: (at 20 °C)	<0,01 hPa
Density:	1,14 g/cm ³
Water solubility:	insoluble
Solubility in other solvents miscible with most organic solvents: Acetone, Alcohol	
Solvent content:	0,07 %

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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

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

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 (NOx), dense black smoke.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicocinetics, metabolism and distribution

No data is available on the product itself.

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
41137-60-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE				
	oral	LD50	>5000 mg/kg	rat	
27813-02-1	HYDROXYPROPYL METHACRYLA	TE			
	oral	LD50	>2000 mg/kg	rat	OECD Test Guideline 401
	dermal	LD50	>5000 mg/kg	rabbit	
32435-46-4	BIS PHOSPHATE (=Bis-(2-Methacryloyloxy) Ethyl Phosphate)				
	oral	LD50	>2000 mg/kg	Ratte	
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate				
	oral	LD50	6800 mg/kg	rat	OECD Test Guideline 401
	dermal	LD50	>2000 mg/kg	rabbit	OECD Test Guideline 402
15206-55-0	METHYL BENZOYLFORMATE				
	oral	LD50	>2000 mg/kg	rat	
	dermal	LD50	>2000 mg/kg	rat	

Specific effects in experiment on an animal

No data is available on the product itself.

Practical experience

Other observations

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.

CAS No	Chemical name							
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source		
27813-02-1	HYDROXYPROPYL METHACRYLATE							
	Acute fish toxicity	LC50	85 mg/l	96 h	Oncorhynchus mykiss (rainbow trout)			
	Acute algae toxicity	ErC50	>97,2 mg/l	72 h		OECD Test Guideline 201		
	Acute crustacea toxicity	EC50	>143 mg/l		Daphnia magna (Water flea)	OECD Test Guideline 202		
	Crustacea toxicity	NOEC	45,2 mg/l		Daphnia magna (Water flea)			
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate							
	Acute fish toxicity	LC50	10 mg/l		Leuciscus idus (Golden orfe)	DIN 38412		
	Acute algae toxicity	ErC50	65,9 mg/l	72 h	Scenedesmus quadricauda (Green algae)			
	Acute crustacea toxicity	EC50	89 mg/l		Daphnia magna (Water flea)			
	Acute bacteria toxicity	(>1000 r	mg/l)	0,5 h				
15206-55-0	METHYL BENZOYLFORMAT	METHYL BENZOYLFORMATE						
	Acute crustacea toxicity	EC50	>100 mg/l		Daphnia magna (Water flea)			
	Acute bacteria toxicity	(>1000 r	ng/l)	3 h		DIN EN ISO 8192		

12.2. Persistence and degradability

No data is available on the product itself.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation	•		•	
27813-02-1	HYDROXYPROPYL METHACRYLATE				
		81%	28		
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacryla	te			
		48%	28		
	Not readily biodegradable.				
15206-55-0	METHYL BENZOYLFORMATE				
		100%	14		
	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
27813-02-1	HYDROXYPROPYL METHACRYLATE	0,97
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	2
15206-55-0	METHYL BENZOYLFORMATE	2,5

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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

No data is available on the product itself.

12.6. 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

Advice on disposal

Dispose of contents/container in accordance with local regulation.

Waste disposal number of waste from 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

Waste disposal number of 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

Waste disposal number of 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)

14.1. UN number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

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14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation. 14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO)

14.1. UN number: No dangerous good in sense of this transport regulation. 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation. 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. 14.4. Packing group:

Danger releasing substance: No data is available on the product itself.

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.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC): 0,07 % (0,798 g/l) 2004/42/EC (VOC): 0,12 % (1,368 g/l)

Subcategory according to Directive

2004/42/EC:

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

Additional information

Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers. Take note of Dir 94/33/EC on the protection of young people at work.

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile

work protection guideline' (94/33/EC).

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eve irritation. H335 May cause respiratory irritation.

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

EUH204 Contains isocyanates. May produce an allergic reaction.

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.)