

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Ultra Bond

Revision date: 11.10.2017

Product code: 2074

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

1.1. Product identifier

Ultra Bond

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:	beate.kerntopf@wilde-group.com	
Contact person:	Dr. Beate Kerntopf	Telephone: -752

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

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.
 Other labelling like: Kosmetikverordnung

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

PEG-3 TRIMETHYLOLPROPANE TRIACRYLATE
 ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

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.

Precautionary statements

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

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

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
72869-86-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE			25 - 50 %
	276-957-5		01-2120751202-68	
	Skin Sens. 1, Aquatic Chronic 2; H317 H411			
28961-43-5	PEG-3 TRIMETHYLOLPROPANE TRIACRYLATE			10 - 25 %
	500-066-5		01-2119489900-30	
	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.

Further Information

Other labelling like: Kosmetikverordnung

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.

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

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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

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	Exposure route	Effect	Value
72869-86-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE			
Worker DNEL, long-term	inhalation	systemic	3,3 mg/m³	
Worker DNEL, long-term	dermal	systemic	1,3 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	0,6 mg/m³	
Consumer DNEL, long-term	dermal	systemic	0,7 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	0,3 mg/kg bw/day	
28961-43-5	PEG-3 TRIMETHYLOLPROPANE TRIACRYLATE			
Consumer DNEL, long-term	oral	systemic	1,4 mg/kg bw/day	
Worker DNEL, long-term	dermal	systemic	0,8 mg/kg bw/day	
Worker DNEL, long-term	inhalation	systemic	16,2 mg/m³	
Consumer DNEL, long-term	inhalation	systemic	4,9 mg/m³	
Consumer DNEL, long-term	dermal	systemic	0,5 mg/kg bw/day	
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE			
Worker DNEL, long-term	inhalation	systemic	5,88 mg/m³	
Worker DNEL, long-term	dermal	systemic	1,7 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
Marine water		0,001 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
28961-43-5	PEG-3 TRIMETHYLOLPROPANE TRIACRYLATE	
Micro-organisms in sewage treatment plants (STP)		10 mg/l
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE	
Freshwater		0,00101 mg/l
Marine water		0,000101 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.

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

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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:	colourless
Odour:	characteristic

Changes in the physical state

Initial boiling point and boiling range:	> 200 °C
Flash point:	>100 °C
Density:	1,12 g/cm ³
Water solubility:	insoluble

Solubility in other solvents

miscible with most organic solvents: Acetone, Alcohol

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 toxicological effects****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 >2000 mg/kg	rat		OECD Test Guideline 401
	dermal	LD50 >2000 mg/kg	Rabbit		OECD Test Guideline 402
	inhalation (4 h) aerosol	LC50 >5 mg/l	rat		OECD Test Guideline 403
28961-43-5	PEG-3 TRIMETHYLOLPROPANE TRIACRYLATE				
	oral	LD50 >2000 mg/kg	rat		OECD Test Guideline 401
	dermal	LD50 >13200 mg/kg	rabbit		OECD Test Guideline 402
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE				
	oral	LD50 >5000 mg/kg	rat		
	dermal	LD50 >2000 mg/kg	rat		

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Contains isocyanates. May produce an allergic reaction. May cause an allergic skin reaction. (DI- HEMA TRIMETHYLHEXYL DICARBAMATE; PEG-3 TRIMETHYLOLPROPANE TRIACRYLATE; 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.

Practical experience**Other observations**

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.

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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 10,1 mg/l	96 h	Brachydanio rerio (zebra-fish)		OECD Test Guideline 203
	Acute algae toxicity	ErC50 >0,68 mg/l	72 h	Desmodesmus subspicatus		OECD Test Guideline 201
	Acute crustacea toxicity	EC50 >1,2 mg/l	48 h	Daphnia magna (Big water flea)		OECD Test Guideline 202
	Algae toxicity	NOEC 0,21 mg/l	3 d	Desmodesmus subspicatus		OECD Test Guideline 201
28961-43-5	PEG-3 TRIMETHYLOLPROPANE TRIACRYLATE					
	Acute algae toxicity	ErC50 2,2 mg/l	72 h			
	Acute crustacea toxicity	EC50 70,7 mg/l	48 h	Daphnia magna (Water flea)		OECD Test Guideline 202
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE					
	Acute fish toxicity	LC50 1,89 mg/l	96 h	Brachydanio rerio (zebra fish)		OECD Test Guideline 203
	Acute algae toxicity	ErC50 2,75 mg/l	72 h	Selenastrum capricornutum (green algae)		OECD Test Guideline 201
	Acute crustacea toxicity	EC50 10-100 mg/l	48 h	Daphnia magna (Water flea)		OECD Test Guideline 202
	Fish toxicity	NOEC >=1,29 mg/l	4 d	Brachydanio rerio (zebra fish)		
	Acute bacteria toxicity	(>1000 mg/l)	3 h			

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)			
28961-43-5	PEG-3 TRIMETHYLOLPROPANE TRIACRYLATE			
	Degradation	43%	10	
	Readily biodegradable.			
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE			
	Degradation	<10%	28	
	Not 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	2,7
28961-43-5	PEG-3 TRIMETHYLOLPROPANE TRIACRYLATE	2,89
84434-11-7	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE	2,91

12.4. Mobility in soil

No data is available on the product itself.

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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.

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

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.
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-TI/IATA-DGR)

14.1. UN number:	No dangerous good in sense of this transport regulation.
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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.
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 Marpol 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****Additional information**

Other labelling like: Kosmetikverordnung

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils 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 contaminating class (D): 2 - clearly water contaminating

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

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