

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## One Component Resin - All Products

Print date: 08.07.2015

Product code: 608-2056

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

#### 1.1. Product identifier

One Component Resin - All Products

#### 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:	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

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Hazardous components which must be listed on the label

HYDROXYPROPYL METHACRYLATE

METHYL BENZOYLFORMATE

Signal word: Warning

Pictograms:



##### Hazard statements

H317 May cause an allergic skin reaction.

H412 Harmful 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.

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.

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

#### Special labelling of certain mixtures

EUH208 Contains Isocyanates. May produce an allergic reaction.  
Restricted to professional users.

#### 2.3. Other hazards

Irritating to eyes.  
May cause skin irritation in susceptible persons.  
May cause sensitization by skin contact.  
Keep out of the reach of children.  
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

Chemical Name / INCI:  
Di-HEMA Trimethylhexyl Dicarbamate  
Aliphatic Polyesterurethane Acrylate  
Polyetherpolyol Tetraacrylate  
Silica Dimethyl Silylate  
Hydroxypropyl Methacrylate (3-hydroxypropyl methacrylate)  
Methyl Benzoylformate  
BHT  
p-Hydroxyanisole

One Component Resin / One Component Resin F: --  
One Component Resin crystal clear / One Component Resin F crystal clear: CI 60730  
One Component Resin blue / One Component Resin F blue: CI 74160  
One Component Resin natural rose / One Component Resin F natural rose: Titanium Dioxide, CI 77491, CI 19140, CI 73360  
One Component Resin opak / One Component Resin F opak: Titanium Dioxide  
One Component Resin pastel / One Component Resin F pastel: Titanium Dioxide, CI 45410:2, CI 15850  
One Component Resin pink / One Component Resin F pink: CI 45410:2, CI 15850  
One Component Resin yellow / One Component Resin F yellow: CI 77492  
One Component Resin FF: CI 45410:2, CI 15850

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### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
41137-60-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE			50 - 100 %
	276-957-5			
	Aquatic Chronic 3; H412			
51728-26-8	Polyetherpolyol Tetraacrylate			5 - 10 %
27813-02-1	HYDROXYPROPYL METHACRYLATE			5 - 10 %
	248-666-3		01-2119490226-37	
	Eye Irrit. 2, Skin Sens. 1; H319 H317			
15206-55-0	METHYL BENZOYLFORMATE			1 - 5 %
	239-263-3			
	Skin Sens. 1; H317			

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

### Further Information

According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

## 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 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.

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### 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

##### **Requirements for storage rooms and vessels**

Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Protect from

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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
51728-26-8	Polyetherpolyol Tetraacrylate			
Consumer DNEL, long-term		oral	systemic	0,375 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	0,88 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	0,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,217 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,25 mg/kg bw/day
27813-02-1	HYDROXYPROPYL METHACRYLATE			
Consumer DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	8,8 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	4,2 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	14,7 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	2,5 mg/kg bw/day

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#### PNEC values

CAS No	Substance	
	Environmental compartment	Value
51728-26-8	Polyetherpolyol Tetraacrylate	
	Freshwater	0,00176 mg/l
	Marine water	0,000176 mg/l
	Soil	0,0078 mg/kg
	Freshwater sediment	0,017 mg/kg
	Marine sediment	0,0017 mg/kg
	Micro-organisms in sewage treatment plants (STP)	4 mg/l
27813-02-1	HYDROXYPROPYL METHACRYLATE	
	Soil	0,727 mg/kg
	Freshwater	0,904 mg/l
	Marine sediment	6,28 mg/kg
	Marine water	0,904 mg/l
	Freshwater sediment	6,28 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:  $\geq 1$  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

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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:	gel
Colour:	pigmented/colourless
Odour:	characteristic

#### Test method

#### 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)	0,11 hPa
Density:	1,13 g/cm <sup>3</sup>
Water solubility:	insoluble

#### Solubility in other solvents

miscible with most organic solvents: Acetone, Alcohol

#### 9.2. Other information

Solid content:	3,51 %
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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

Peroxides, Strong acids and strong bases, Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), 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.

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#### 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	
51728-26-8	Polyetherpolyol Tetraacrylate				
	oral	LD50	>2000 mg/kg	Ratte	OECD Test Guideline 401
	dermal	LD50	>2000 mg/kg	Ratte	OECD Test Guideline 402
27813-02-1	HYDROXYPROPYL METHACRYLATE				
	oral	LD50	>2000 mg/kg	rat	OECD Test Guideline 401
	dermal	LD50	>5000 mg/kg	rabbit	
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.

### 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	Method	Dose	[h]   [d]	Species	Source
51728-26-8	Polyetherpolyol Tetraacrylate					
	Acute fish toxicity	LC50	1,76 mg/l	96 h	Brachydanio rerio (zebra fish)	OECD Test Guideline 203
	Acute crustacea toxicity	EC50	90,94 mg/l	48 h	Daphnia magna (Water flea)	OECD Test Guideline 202
	Fish toxicity	NOEC	1,23 mg/l	4 d	Brachydanio rerio (zebra fish)	OECD Test Guideline 203
	Crustacea toxicity	NOEC	50 mg/l		Daphnia magna (Water flea)	OECD Test Guideline 202
	Acute bacteria toxicity		(>100 mg/l)	3 h		
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	48 h	Daphnia magna (Water flea)	OECD Test Guideline 202
	Crustacea toxicity	NOEC	45,2 mg/l	21 d	Daphnia magna (Water flea)	
15206-55-0	METHYL BENZOYLFORMATE					
	Acute crustacea toxicity	EC50	>100 mg/l	48 h	Daphnia magna (Water flea)	
	Acute bacteria toxicity		(>1000 mg/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			
51728-26-8	Polyetherpolyol Tetraacrylate			
		27%	28	
	Not readily biodegradable.			
27813-02-1	HYDROXYPROPYL METHACRYLATE			
		81%	28	
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
51728-26-8	Polyetherpolyol Tetraacrylate	2,25
27813-02-1	HYDROXYPROPYL METHACRYLATE	0,97
15206-55-0	METHYL BENZOYLFORMATE	2,5

##### BCF

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

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#### 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

No data is available on the product itself.

### 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.  
**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.

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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 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**

##### **Additional information**

According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

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 employment restrictions for young people.

Water contaminating class (D): 2 - water contaminating

### SECTION 16: Other information

#### **Relevant H- and EUH-phrases (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.

#### **Further Information**

All data refer to the product upon delivery

End Use: EG Directive 76/768/EEC (cosmetic regulation)

ICAO-Labels: Exempt

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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.)*