

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Conloc UV 665**

Revision date: 13.03.2019

Product code: 740665\_1

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

Conloc UV 665

Product group: Adhesives

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

UV curing adhesive

**1.3. Details of the supplier of the safety data sheet**

Company name:	EGO Dichtstoffwerke GmbH & Co. Betriebs KG		
Street:	Kaltenbrunn 27		
Place:	D-82467 Garmisch-Partenkirchen		
Telephone:	+49 (0)8821 956 90	Telefax:	+49 (0)8821 956 990
e-mail:	info@ego.de		
Contact person:	Laboratory	Telephone:	+49 (0)8821 956 960
e-mail:	EGO-Labor@ego.de		
Internet:	www.ego.de		

**1.4. Emergency telephone**

+49 55119240 (24h/7d)

**number:**GIZ-Nord, Göttingen  
Member of EPECs network**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

May cause respiratory irritation.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Isobornylacrylat

2-hydroxyethyl methacrylate

Acrylsäure

maleic acid

tert-Butylperbenzoat

**Signal word:** Danger

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**Pictograms:****Hazard statements**

- |      |   |
|------|---|
| H315 | Causes skin irritation.                               |
| H317 | May cause an allergic skin reaction.                  |
| H318 | Causes serious eye damage.                            |
| H335 | May cause respiratory irritation.                     |
| H410 | Very toxic to aquatic life with long lasting effects. |

**Precautionary statements**

- |                |  |
|----------------|--|
| P261           | Avoid breathing Vapor / spray.   |
| P273           | Avoid release to the environment.  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.                                    |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310           | Immediately call a POISON CENTER/doctor.   |

**2.3. Other hazards**

Do not expose skin and above all eyes to direct or reflected UV light during curing.

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

Mixture of substances listed below with nonhazardous additions.

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
5888-33-5	Isobornylacrylat			< 50 %
	227-561-6			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H315 H319 H317 H335 H400 H410			
868-77-9	2-hydroxyethyl methacrylate			< 25 %
	212-782-2	607-124-00-X		
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
7473-98-5	2-Hydroxy-2-methylpropiophenone			< 5 %
	231-272-0			
	Acute Tox. 4, Aquatic Chronic 3; H302 H412			
79-10-7	Acrylsäure			< 5 %
	201-177-9		01-2119452449-31	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Eye Dam. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 2; H226 H332 H312 H302 H314 H318 H335 H400 H411			
614-45-9	tert-Butylperbenzoat			< 1 %
	210-382-2			
	Self-react. C, Acute Tox. 4, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1; H242 H332 H315 H317 H400			
110-16-7	maleic acid			< 1 %
	203-742-5	607-095-00-3		
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H302 H315 H319 H317 H335			

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

**Specific concentration limits and M-factors**

CAS No	EC No	Chemical name	Quantity
	Specific concentration limits and M-factors		
110-16-7	203-742-5	maleic acid	< 1 %
	Skin Sens. 1; H317: >= 0,1 - 100		

**Further Information**

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Take off all contaminated clothing immediately. First aider needs to protect himself. Show this safety data sheet to the doctor in attendance.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours. Consult physician if problems persist. If victim is at risk of losing consciousness, position and transport on their side.

**After contact with skin**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**After contact with eyes**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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**After ingestion**

Consult a physician. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting.

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

No information available.

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

If swallowed with subsequent vomiting, aspiration into the lungs may occur, resulting in chemical pneumonia or asphyxiation.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Dry powder, Foam, Carbon dioxide (CO<sub>2</sub>).

Extinguishing materials should be selected according to the surrounding area.

**Unsuitable extinguishing media**

High volume water jet

**5.2. Special hazards arising from the substance or mixture**

In case of fire formation of dangerous gases possible.

**5.3. Advice for firefighters**

In the event of fire and/or explosion do not breathe fumes.

In the event of fire, wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. 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. Do not breathe vapour. Wear personal protection equipment. Avoid contact with skin, eye and clothing.

**6.2. Environmental precautions**

Prevent allover extension (e.g. knocking-down or a boom).

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**

Small amounts: Wipe up with absorbent material (e.g. cloth, fleece). Substantial quantities: Soak up with inert absorbent material.

Ensure adequate ventilation.

**6.4. Reference to other sections**

see chapter: 7, 8, 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Avoid contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms. Keep away from direct sunlight. Avoid the formation of aerosol.

**Advice on protection against fire and explosion**

Keep away from heat.

**7.2. Conditions for safe storage, including any incompatibilities**

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**Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place. Protect against light. Never return unused material to storage receptacle.

**Hints on joint storage**

Not required

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
79-10-7	Acrylic acid	10	29		TWA (8 h)	WEL
		20	59		STEL (1 min)	WEL

**Additional advice on limit values**

2-Hydroxyethylmethacrylat  
MAK see chapter IIb

**8.2. Exposure controls****Appropriate engineering controls**

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Do not expose skin and above all eyes to direct or reflected UV light during curing.

**Protective and hygiene measures**

When using, do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. Wash hands when done working with material; at breaks, lunch, shift changes, etc. Take off immediately all contaminated clothing

Avoid contact with the skin and the eyes. Ensure that eye flushing systems and safety showers are located close to the working place.

**Eye/face protection**

Safety glasses with side-shields.

**Hand protection**

Protective gloves: Glove material Nitrile rubber ( $\geq 0,4$  mm) Break through time  $> 8$ h.

As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

**Skin protection**

Long sleeved clothing

**Respiratory protection**

Ensure adequate ventilation, especially in confined areas.

In case of insufficient ventilation wear suitable respiratory equipment.

For short-term or low-load respiratory filter device (filter A); in case of intensive or prolonged exposure use self-contained breathing apparatus

**Environmental exposure controls**

Do not allow material to contaminate ground water system.

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	characteristic
pH-Value:	not determined

**Changes in the physical state**

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	>100 °C

**Explosive properties**

The product is: not Explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Density (at 25 °C):	approx. 1,1 g/cm <sup>3</sup>
Water solubility:	insoluble
Partition coefficient:	not determined
Viscosity / dynamic: (at 25 °C)	100 mPa·s
Solvent content:	0,0 %

**9.2. Other information**

The product is: not auto-flammable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2. Chemical stability**

No decomposition if used as directed.

**10.3. Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

**10.4. Conditions to avoid**

Exposure to light.

**10.5. Incompatible materials**

None known.

**10.6. Hazardous decomposition products**

irritating gases / vapors

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

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**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
5888-33-5	Isobornylacrylat				
	oral	LD50 4350 mg/kg	rat		
	dermal	LD50 > 3000 mg/kg	rabbit		
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50 5050 mg/kg	Rat		
7473-98-5	2-Hydroxy-2-methylpropiophenone				
	oral	LD50 1694 mg/kg	rat		
	dermal	LD50 6929 mg/kg	rat	OECD Test Guideline 402	
79-10-7	Acrylsäure				
	oral	LD50 1500 mg/kg	rat		
	dermal	LD50 640 mg/kg	rabbit		
	inhalation (4 h) vapour	LC50 >5,1 mg/l	rat	OECD Test Guideline 403	
	inhalation aerosol	ATE 1,5 mg/l			
614-45-9	tert-Butylperbenzoat				
	oral	LD50 1012 mg/kg	rat		
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
110-16-7	maleic acid				
	oral	ATE 500 mg/kg			

**Irritation and corrosivity**

not defined

**Sensitising effects**

not defined

**Carcinogenic/mutagenic/toxic effects for reproduction**

not defined

**STOT-single exposure**

not defined

**STOT-repeated exposure**

not defined

**Aspiration hazard**

Inhalation may cause respiratory irritation.

**Specific effects in experiment on an animal**

This information is not available.

**Practical experience**

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**Observations relevant to classification**

This information is not available.

**SECTION 12: Ecological information****12.1. Toxicity**

Toxic for Fish. Toxic to aquatic organisms.

Do not empty into drains or the aquatic environment. Leakage of already small quantities into the soil hazardous to drinking water

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
5888-33-5	Isobornylacrylat					
	Acute fish toxicity	LC50 1,8 mg/l	96 h	Danio rerio (zebra fish)		
	Acute algae toxicity	ErC50 2,7 mg/l	96 h	Pseudokirchneriella subcapitata (green algae)		
	Acute crustacea toxicity	EC50 1,1 mg/l	48 h	Daphnia magna (Water flea)		
868-77-9	2-hydroxyethyl methacrylate					
	Acute fish toxicity	LC50 227 mg/l	96 h	Pimephales promelas		
7473-98-5	2-Hydroxy-2-methylpropiophenone					
	Acute crustacea toxicity	EC50 119 mg/l	48 h	Toxicity to daphnia	OECD Test Guideline 202	
79-10-7	Acrylsäure					
	Acute algae toxicity	ErC50 0,13 mg/l	72 h	Scenedesmus capricornutum (fresh water algae)		
	Crustacea toxicity	NOEC 19 mg/l	21 d	Daphnia magna (Water flea)		

**12.2. Persistence and degradability**

not defined

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
79-10-7	Acrylsäure			
	OECD Test Guideline 301	81%		
	Easily biodegradable (concerning to the criteria of the OECD); aerobic			

**12.3. Bioaccumulative potential**

not defined

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
868-77-9	2-hydroxyethyl methacrylate	0,47
79-10-7	Acrylsäure	0,46

**BCF**

CAS No	Chemical name	BCF	Species	Source
79-10-7	Acrylsäure	3,16		OECD Test Guideline 107

**12.4. Mobility in soil**

not defined



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**12.5. Results of PBT and vPvB assessment**

not defined

**12.6. Other adverse effects**

not defined

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Dispose of as special waste in compliance with local and national regulations.

**List of Wastes Code - residues/unused products**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Dispose of waste according to applicable local, state, and federal regulations.

**SECTION 14: Transport information****Land transport (ADR/RID)****14.1. UN number:**

UN 3082

**14.2. UN proper shipping name:**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(isobornylacrylate, Acrylic acid)**14.3. Transport hazard class(es):**

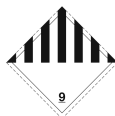
9

**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:

-

**Other applicable information (land transport)**

The product is not subject to the other provisions of ADR when packaged in quantities not exceeding 5 l / 5 kg (SV 375)

**Marine transport (IMDG)****14.1. UN number:**

UN 3082

**14.2. UN proper shipping name:**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Isobornyl acrylate, Acrylic acid)**14.3. Transport hazard class(es):**

9

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#### 14.4. Packing group:

Hazard label:

III

9



Special Provisions:

274, 335, 969

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-A, S-F

Segregation group:

acids

#### Other applicable information (marine transport)

The product may be transported according to IMDG Code, paragraph 2.10.2.7 if it is packed in quantities not exceeding 5 l / 5 kg.

#### Air transport (ICAO-TI/IATA-DGR)

##### 14.1. UN number:

UN 3082

##### 14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Isobornyl acrylate, Acrylic acid)

##### 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

#### Other applicable information (air transport)

The product is not subject to the other provisions of IATA if it is packed in quantities not exceeding 5 l / 5 kg (A197)

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

yes



#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

### SECTION 15: Regulatory information

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

##### EU regulatory information

2004/42/EC (VOC):

0,0%

##### National regulatory information

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Water hazard class (D):

2 - obviously hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 2,3,4,5,6,7,8,9,10,11,12,13,14.

**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

**Relevant H and EUH statements (number and full text)**

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
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**

These data describe only the safety requirements for the product(s) and are based on our present knowledge. However, they do not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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