

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Conloc UV 665

Print date: 30.03.2016

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: Klebstoffe

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: Lilienthalstraße 7
Place: GB-82205 Gilching
Telephone: 08105-217-0 Telefax: 08105-217-33
e-mail: Forster-Hummel@ego.de P.Goldmann@ego.de
Contact person: Eva Forster-Hummel; Telephone: - 28; -27
Petra Goldmann
Internet: <http://www.ego.de>
Responsible Department: Labor

1.4. Emergency telephone number:

(+49)55119240 (24h/7d)
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 Chronic 2

Hazard Statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

May cause respiratory irritation.

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

acrylic acid, prop-2-enoic 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.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing vapour.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
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.
P405	Store locked up.
P501	Dispose of waste according to applicable local, state, and federal regulations.

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	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
5888-33-5	Isobornylacrylat			< 50 %
	227-561-6			
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 2; H315 H319 H335 H411			
868-77-9	2-hydroxyethyl methacrylate			< 25 %
	212-782-2	607-124-00-X		
	Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1; H319 H315 H317			
7473-98-5	2-Hydroxy-2-methylpropiophenone			< 5 %
	231-272-0			
	Acute Tox. 4; H302			
79-10-7	acrylic acid, prop-2-enoic acid			< 5 %
	201-177-9	607-061-00-8		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Aquatic Acute 1; H226 H332 H312 H302 H314 H400			
614-45-9	tert-Butylperbenzoat			< 2,5 %
	210-382-2			
	Self-react. CD, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H242 H302 H315 H319			

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

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.

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.

After ingestion

Consult a physician.

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

No information available.

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



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Suitable extinguishing media

Dry powder, Foam, Carbon dioxide (CO₂).
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

Heating or fire can release toxic gas.
Fire may cause evolution of: nitrogen oxides (NO_x), Carbon oxides

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Do not breath vapour. Wear personal protection equipment.

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

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.

Advice on protection against fire and explosion

Keep away from heat.

7.2. Conditions for safe storage, including any incompatibilities

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.

Advice on storage compatibility

Not required

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

2-Hydroxyethylmethacrylat
MAK see chapter IIb

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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.

Eye/face protection

Safety glasses with side-shields.

Hand protection

Protective gloves: Glove material Nitrile rubber (0,35 mm), butyl-rubber (0,5 mm) Break through time \geq 8h.

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.

Environmental exposure controls

Do not allow material to contaminate ground water system.

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

Physical state:	liquid
Colour:	clear
Odour:	characteristic

	Test method
pH-Value:	not applicable

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:	approx. 1,1 g/cm ³
Water solubility:	insoluble
Partition coefficient:	not determined

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Viscosity / dynamic: 20 - 100 mPa·s
(at 20 °C)

Solvent content: 0,0 %

9.2. Other information

The product is: not auto-flammable

SECTION 10: Stability and reactivity**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

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

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****Acute toxicity**

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
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	acrylic acid, prop-2-enoic acid				
	oral	LD50	> 192 mg/kg	Rat	
	dermal	LD50	> 290 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50	3,6 mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		
614-45-9	tert-Butylperbenzoat				
	oral	LD50	1012 mg/kg	rat	

Irritation and corrosivity

The product causes irritation of eyes, skin and mucous membranes.

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Sensitising effects

May cause sensitisation by skin contact.

STOT-single exposure

Inhalation of vapours in high concentration may cause irritation of respiratory system.

Severe effects after repeated or prolonged exposure

This information is not available.

Carcinogenic/mutagenic/toxic effects for reproduction

This information is not available.

Aspiration hazard

This information is not available.

Specific effects in experiment on an animal

This information is not available.

Practical experience**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	Method	Dose	[h] [d]	Species	Source
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	acrylic acid, prop-2-enoic acid					
	Acute fish toxicity	LC50	27 mg/l	96 h	Onchorhynchus mykiss	
	Acute crustacea toxicity	EC50	95 mg/l	48 h	Daphnia magna	

12.2. Persistence and degradability

This information is not available.

12.3. Bioaccumulative potential

This information is not available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
868-77-9	2-hydroxyethyl methacrylate	0,47
79-10-7	acrylic acid, prop-2-enoic acid	0,35

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12.4. Mobility in soil

This information is not available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

This information is not available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

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

Waste disposal number of waste from 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
Classified as 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.
(Acrylic acid. isobornylacrylate)**14.3. Transport hazard class(es):**

9

14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 601

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

Hazard No:

90

Tunnel restriction code:

E

Other applicable information (land transport)

Special Provisions 375

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

UN 3082

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

9

14.4. Packing group:

III

Hazard label:

9

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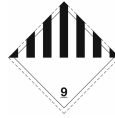
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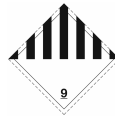
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Marine pollutant: yes
Special Provisions: 274, 335
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-F
Segregation group: acids

Air transport (ICAO)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Acrylic acid, isobornylacrylate)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9



Special Provisions: A97 A158
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)

Special provisions: A97 A158

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

**14.7. Transport in bulk according to Annex II of MARPOL73/78 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

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

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

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SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,3,4,7,8,10,11,14,16.

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.
H411	Toxic 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.)