

Trade name: Cyberbond U 306, U 356

Product no.: U 306, U 356

Current version : 3.1.2, issued: 31.01.2013

Replaced version: 3.1.1, issued: 04.05.2012

Region: GB

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

1.1 Product identifier

Trade name

Cyberbond U 306, U 356

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

Relevant identified uses of the substance or mixture

Adhesives

1.3 Details of the supplier of the safety data sheet

Address

Cyberbond Europe GmbH
Werner-von-Siemens-Str. 2
31515 Wunstorf

Telephone no. +49-(0)5031-9566-0

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Information provided by / telephone

Technical Department: Tel.: +49-(0)5031-9566-0

Advice on Safety Data Sheet

msds@cyberbond.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Directive 67/548/EEC or 1999/45/EC

Xn; R20/22

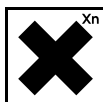
Xi; R36/37/38

R52/53

2.2 Label elements

Labelling according to Directive 1999/45/EC

Hazard symbols



Harmful

Hazardous component(s) to be indicated on label, contains:

N,N-dimethylacrylamide

R phrases

20/22

Harmful by inhalation and if swallowed.

36/37/38

Irritating to eyes, respiratory system and skin.

52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

24/25

Avoid contact with skin and eyes.

26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28.2

After contact with skin, wash immediately with plenty of water and soap.

36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

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Avoid release to the environment. Refer to special instructions/ Safety data sheets.

2.3 Other hazards

No data available.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

Mixture (preparation)

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification 67/548/EEC	Concentration
			%-b.w.
1	Acrylic resin		
	-	Xi; R36/38	> 50.00 - < 70.00
	-		%-b.w.
	-		
	-		
2	N,N-dimethylacrylamide		
	2680-03-7	T; R23	> 10.00 - < 25.00
	220-237-5	Xn; R21/22	%-b.w.
	-	Xi; R36/37/38	
	-		
3	exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate		
	5888-33-5	Xi; R36/37/38	> 10.00 - < 30.00
	227-561-6	N; R51/53	%-b.w.
	-		
	-		
4	2-hydroxy-2-methylpropiophenone		
	7473-98-5	Xn; R22	> 1.00 - < 5.00
	231-272-0	R52/53	%-b.w.
	-		
	-		
5	acrylic-acid		
	79-10-7	R10	> 1.00 - < 5.00
	201-177-9	C; R35	%-b.w.
	607-061-00-8	Xn; R20/21/22	
	-	N; R50	
	-		
6	2-(phosphonoxy)ethyl methacrylate		
	24599-21-1	Xi; R36/38	> 1.00 - < 5.00
	246-342-6		%-b.w.
	-		
	-		
7	bis(methacryloyloxyethyl) hydrogen phosphate		
	32435-46-4	Xi; R36/38	> 1.00 - < 5.00
	251-040-2		%-b.w.
	-		
	-		

Full Text for all R-phrases: pls. see section 16

No	Note	Specific concentration limits
5	D	R36/37/38: C >= 1% R34: C >= 5% R35: C >= 10%

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation

Remove the casualty into fresh air and keep him calm. Ensure supply of fresh air.

After skin contact

When in contact with the skin, clean with soap and water. Remove contaminated clothing immediately and dispose of safely. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an ophthalmologist.

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After ingestion

Do not induce vomiting. Seek medical advice immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam; Dry chemical extinguisher; extinguishing powder; Carbon dioxide

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Combustion products of this material have to be classed invariably as respiratory poison. In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Wear full protective suit. Do not inhale explosion and/or combustion gases.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Send in suitable containers for recovery or disposal. Pick up with absorbent material (e.g., sand, sawdust).

6.4 Reference to other sections

Information regarding Safe handling, see chapter 7. Information regarding personal protective measures see, chapter 8. Information regarding Waste Disposal, see chapter 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Avoid contact with eyes and skin. Do not eat or drink during work time. Wash hands before breaks and after work. Provide eye wash fountain in work area. Do not inhale vapours.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Store at cool and aired place.

Requirements for storage rooms and vessels

Keep only in the original container.

Advice on storage assembly

None known

7.3 Specific end use(s)

No data available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.		
1	acrylic-acid	79-10-7	201-177-9		
List of approved workplace exposure limits (WELs) / EH40					
Acrylic acid					
	STEL	60	mg/m ³	20	ml/m ³
	TWA	30	mg/m ³	10	ml/m ³

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation.

Eye / face protection

Safety glasses (EN 166)

Hand protection

Chemical resistant gloves (EN 374); Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product . Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour	
liquid	
colourless	
Odour	
characteristic	
Odour threshold	
No data available	
pH value	
No data available	
Boiling point / boiling range	
No data available	
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
No data available	
Flash point	
Value	> 100 °C
Ignition temperature	
Not applicable	
Auto-ignition temperature	
Not applicable	

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Oxidising properties
No data available
Explosive properties
No data available
Flammability (solid, gas)
No data available
Lower flammability or explosive limits
No data available
Upper flammability or explosive limits
No data available
Vapour pressure
No data available
Vapour density
No data available
Evaporation rate
No data available
Relative density
No data available
Density
No data available
Solubility in water
No data available
Solubility(ies)
No data available
Partition coefficient: n-octanol/water
No data available
Viscosity
No data available

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

None, if handled according to order.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Carbon dioxide; Nitrous oxides (NOx)

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

No data available

Acute dermal toxicity

No data available

Acute inhalational toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation
--

No data available

Germ cell mutagenicity

No data available

Reproduction toxicity

No data available

Carcinogenicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritates the eyes and the skin. Irritates respiratory tract.

Other information

Exercise customary precautions when handling chemicals.

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SECTION 12: Ecological information

12.1 Toxicity

Fish toxicity
No data available
Daphnia toxicity
No data available
Algae toxicity
No data available
Bacteria toxicity
No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Ecological data are not available.
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

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SECTION 15: Regulatory information

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

EU regulations

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Further information

The information is based on our current knowledge however it does not represent a guarantee of product properties nor does it create any legal obligation.

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 1999/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Full text of the R-, H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R23	Toxic by inhalation.
R35	Causes severe burns.
R36/38	Irritating to eyes and skin.
R50	Very toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

D Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

Department issuing safety data sheet

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