

Trade name: Cyberbond 9060series D-Bonder/Remover (CB 9060, CB 9065, CB 9066)

Product no.: CB 9060, 9065, 9066

Current version : 1.0.0, issued: 14.03.2013

Replaced version: -, issued: -

Region: GB

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

1.1 Product identifier

Trade name

Cyberbond 9060series D-Bonder/Remover (CB 9060, CB 9065, CB 9066)

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

Relevant identified uses of the substance or mixture

Chemical processes general

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

Fax no. +49-(0)5031-9566-26

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

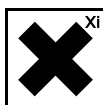
Classification in accordance with Directive 67/548/EEC or 1999/45/EC

Xi; R36

2.2 Label elements

Labelling according to Directive 1999/45/EC

Hazard symbols



Irritant

R phrases

36

Irritating to eyes.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification 67/548/EEC	Concentration	%-b.w.
1	Heterocyclic ketone (Ref.: 722 43/00/2012.0044, Germany)			
	-	Xi; R36	< 100.00	%-b.w.
	-			
	-			

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

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

After ingestion

Seek medical advice immediately. Rinse mouth thoroughly with water. 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; Carbon dioxide; extinguishing powder; Water spray jet

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

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

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 protective clothing.

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. Ensure adequate ventilation. Keep away sources of ignition.

For emergency responders

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

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

No special measures necessary if stored and handled as prescribed. Provide good ventilation of working area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. 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.



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7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage.

Advice on storage assembly

Do not store together with: Oxidizing agents; Reducing agents; Acids; Bases

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses (EN 166)

Hand protection

In case of intensive contact, wear protective 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		
Material thickness	>	0.3	mm
Breakthrough time	>	480	min.
Appropriate Material	rubber		
Material thickness	>	0.5	mm
Breakthrough time	>	240	min.

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			
fruit-like			
Odour threshold			
No data available			
pH value			
Value		7.0	
Reference temperature		20	°C
Concentration		200	g/l
Boiling point / boiling range			
Value		243	°C
Melting point / melting range			
Value		-49	°C

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Decomposition point / decomposition range		
No data available		
Flash point		
Value	123	°C
Ignition temperature		
Value	435	°C
Auto-ignition temperature		
No data available		
Oxidising properties		
No data available		
Explosive properties		
No data available		
Flammability (solid, gas)		
No data available		
Lower flammability or explosive limits		
Value	1.8	% vol
Upper flammability or explosive limits		
Value	14.3	% vol
Vapour pressure		
Value	0.04	hPa
Reference temperature	20	°C
Vapour density		
No data available		
Evaporation rate		
No data available		
Relative density		
No data available		
Density		
Value	1.20	g/cm ³
Reference temperature	20	°C
Solubility in water		
Value	240	g/l
Reference temperature	20	°C
Remarks	easily soluble	
Solubility(ies)		
No data available		
Partition coefficient: n-octanol/water		
log Pow	-0.48	
Reference temperature	25	°C
Viscosity		
Value	2.8	mPa*s
Reference temperature	20	°C
Type	dynamic	

9.2 Other information

Other information		
No data available.		

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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**
Heat
- 10.5 Incompatible materials**
Oxidizing agents; Reducing agents; Acids; Bases
- 10.6 Hazardous decomposition products**
No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity	
LD50	> 5000 mg/kg
Species	rat
Source	RTECS
Acute dermal toxicity	
LD50	> 20000 mg/kg
Species	rabbit
Source	IUCLID
Acute inhalational toxicity	
Remarks	No data available.
Skin corrosion/irritation	
Species	rabbit
Method	OECD 404
Source	Merck
Evaluation	non-irritant
Serious eye damage/irritation	
Species	rabbit
Method	OECD 405
Source	Merck
Evaluation	irritant
Respiratory or skin sensitisation	
Route of exposure	Skin
Species	Human
Method	Patch-Test
Source	IUCLID
Evaluation	non-sensitizing
Germ cell mutagenicity	
Type of examination	Ames-Test
Source	IUCLID
Evaluation	negative

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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
Inhalation causes headache/nausea.

SECTION 12: Ecological information

12.1 Toxicity

Fish toxicity			
LC50	>	1000	mg/kg
Duration of exposure		96	h
Species	Leuciscus idus		
Source	IUCLID		
Daphnia toxicity			
EC50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	IUCLID		
Algae toxicity			
IC50	>	900	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Source	IUCLID		
Bacteria toxicity			
EC50	>	1000	mg/l
Duration of exposure		17	h
Species	Pseudomonas putida		
Source	IUCLID		

12.2 Persistence and degradability

Biodegradability	
Evaluation	readily biodegradable

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)	
Remarks	Not potentially bioaccumulative.
Partition coefficient: n-octanol/water	
log Pow	-0.48
Reference temperature	25 °C

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	
Do not discharge into the drains or waters and do not store on public depositories.	

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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

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

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.

Department issuing safety data sheet

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This information is based on our present state of knowledge and experience.

The security data sheet describes products with a view to the security requirements.

However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.