

Trade name: Cyberbond 9090 activator (aerosol) CA

Product no.: B 9090 Spray

Current version : 5.0.0, issued: 09.01.2013

Replaced version: 4.0.0, issued: 19.04.2012

Region: GB

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

1.1 Product identifier

Trade name

Cyberbond 9090 activator (aerosol) CA

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

Relevant identified uses of the substance or mixture

aerosol, spray can, compressed air cylinder

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

F+; R12

Xn; R65

Xi; R36/38

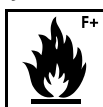
N; R50/53

R67

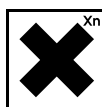
2.2 Label elements

Labelling according to Directive 1999/45/EC

Hazard symbols



Extremely flammable



Harmful



Dangerous for the environment

R phrases

12

65

36/38

50/53

67

Extremely flammable.

Harmful: may cause lung damage if swallowed.

Irritating to eyes and skin.

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

Vapours may cause drowsiness and dizziness.

S phrases

2

16

23

33

51

61

Keep out of the reach of children.

Keep away from sources of ignition — No smoking.

Do not breathe vapour.

Take precautionary measures against static discharges.

Use only in well-ventilated areas.

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

Supplemental label elements

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

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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	
1	heptane			
	142-82-5 205-563-8 601-008-00-2 -	F; R11-Xn; R65-Xi; R38-N; R50/53-R67	30.00 - 60.00	%-b.w.
2	acetone			
	67-64-1 200-662-2 606-001-00-8 -	F; R11 Xi; R36 R67 R66	10.00 - 20.00	%-b.w.
3	propane			
	74-98-6 200-827-9 601-003-00-5 -	F+; R12	10.00 - 20.00	%-b.w.
4	butane			
	106-97-8 203-448-7 601-004-00-0 -	F+; R12	10.00 - 20.00	%-b.w.
5	N,N-dimethyl-p-toluidine			
	99-97-8 202-805-4 612-056-00-9 -	T; R23/24/25 R33 R52/53	< 1.00	%-b.w.

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

No	Note	Specific concentration limits
5	C	R20/21/22: C >= 1% R23/24/25: C >= 5%

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

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

After skin contact

Wash off immediately with soap and water. Don't use solvents.

After eye contact

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

After ingestion

Not relevant, due to the compact form of the product.

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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

Alcohol-resistant foam; extinguishing powder; Carbon dioxide

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Suppress gases/vapours/mists with water spray jet.

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. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Remove persons to safety. 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

Suck off by room ventilation.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as possible by the state of the art. Avoid formation of aerosols.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Wash hands before breaks and after work. Provide eye wash fountain in work area. Have emergency shower available.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

Requirements for storage rooms and vessels

Always keep in containers of same material as the original one.

Advice on storage assembly

Do not store together with foodstuffs. Do not store together with animal feedstocks.

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	heptane	142-82-5	205-563-8
	2000/39/EWG		
	n-Heptane		
	TWA	2085	500
	mg/m ³		ml/m ³
	List of approved workplace exposure limits (WELs) / EH40		
	n-Heptane		
	TWA		500
	ml/m ³		
2	acetone	67-64-1	200-662-2
	2000/39/EWG		
	Acetone		
	TWA	1210	500
	mg/m ³		ml/m ³
	List of approved workplace exposure limits (WELs) / EH40		
	Acetone		
	STEL	3620	1500
	mg/m ³		ml/m ³
	TWA	1810	500
	mg/m ³		ml/m ³
3	propane	74-98-6	200-827-9
	List of approved workplace exposure limits (WELs) / EH40		
	Propane		
4	butane	106-97-8	203-448-7
	List of approved workplace exposure limits (WELs) / EH40		
	Butane		
	STEL	1810	750
	mg/m ³		ml/m ³
	TWA	1450	600
	mg/m ³		ml/m ³

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. Short term: filter apparatus, Filter A

Eye / face protection

Safety glasses with side protection shield (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.

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
Aerosol
colourless
Odour
characteristic

EC safety data sheet



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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			
No data available			
Ignition temperature			
Value	580	°C	
Method	DIN 51794		
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	1.1	% vol	
Upper flammability or explosive limits			
Value	9.5	% vol	
Vapour pressure			
Value	233	hPa	
Reference temperature	20	°C	
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	0.705	g/cm ³	
Reference temperature	20	°C	
Method	DIN 51757		
Solubility in water			
Reference temperature	20	°C	
Remarks	immiscible		
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.			

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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

Evolution of heat.

10.5 Incompatible materials

No hazardous reactions known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity	
LD50	> 15000 mg/kg
Species	rat
Remarks	Informations concern to main component.
Acute dermal toxicity	
Remarks	No data available.
Acute inhalational toxicity	
LC50	103 mg/l
Duration of exposure	4 h
Species	rat
Remarks	Informations concern to main component.
Skin corrosion/irritation	
Evaluation	irritant
Serious eye damage/irritation	
Evaluation	irritant
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	
Inhalation of vapours may lead to headache, drowsiness and dizziness. Inhalation of vapours in higher concentration may lead to irritation of eyes, nose and respiratory tract. Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Inhalation causes narcotic effect/intoxication.	

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SECTION 12: Ecological information

12.1 Toxicity

Fish toxicity		
LC50	4	g/m ³
Duration of exposure	24	h
Species	Carassius auratus Salmo species	

Daphnia toxicity		
EC50	1.5	g/m ³
Duration of exposure	48	h
Species	Daphnia magna	

Algae toxicity		
No data available		

Bacteria toxicity		
No data available		

12.2 Persistence and degradability

Biodegradability		
Type	BOD in % of theoretical OD	
Value	55	%
Duration	5	d

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	
Product is not allowed to discharge into aquatic environment, drains or sewage treatment plants.	
Ecological data refers to the main components.	

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

Class	2
Classification code	5F
UN number	UN1950
Technical name	AEROSOLS
Tunnel restriction code	D
Label	2.1
Environmentally hazardous substance mark	Symbol "fish and tree"

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14.2 Transport IMDG

Class	2
UN number	UN1950
Proper shipping name	AEROSOLS
EmS	F-D+S-U
Label	2.1
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	2.1
UN number	UN1950
Proper shipping name	Aerosols, flammable
Label	2.1

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

Laufende Nr. Anhang I 8

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.

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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)

R11	Highly flammable.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R33	Danger of cumulative effects.
R36	Irritating to eyes.
R38	Irritating to skin.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.

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

C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
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Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.