

## Single Bond

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

#### 1.1. Product identifier

REF 9003242: Cyber Single Coat Bond 5ml

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

##### Use of the substance/mixture

for dental use only

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

**Manufacturer:** DE Healthcare Ltd.  
Unit 9, Kingsthorpe Business Centre,  
Studland Road, Kingsthorpe,  
Northampton NN2 6NE U.K.

**Contact:** Tel. +44 1634 266 056  
info@cybertechbrand.com

**Emergency number:** Chemtrec International: 001 703-527-3887

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xi - Irritant  
R phrases:  
Flammable.  
Irritating to eyes and skin.  
May cause sensitisation by skin contact.

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:  
Flammable liquid: Flam. Liq. 3  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Respiratory/skin sensitization: Skin Sens. 1  
Hazard Statements:  
Flammable liquid and vapour.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

#### 2.2. Label elements

##### Hazardous components which must be listed on the label

2-hydroxyethyl methacrylate

Signal word: Warning  
Pictograms: GHS02-GHS07



##### Hazard statements

H226

Flammable liquid and vapour.

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H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

### Additional advice on labelling

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body, are exempted from the provisions of Regulation (EC) No 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
200-578-6	ethanol, ethyl alcohol	35 - < 40 %
64-17-5	F - Highly flammable R11	
603-002-00-5	Flam. Liq. 2; H225	
276-957-5	Urethane dimethacrylate	20 - < 25 %
72869-86-4	R52-53	
	Aquatic Chronic 3; H412	
212-782-2	2-hydroxyethyl methacrylate	5 - < 10 %
868-77-9	Xi - Irritant R36/38-43	
607-124-00-X	Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1; H319 H315 H317	

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with: Water and soap.

#### After contact with eyes

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

#### After ingestion

Seek medical advice.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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### Suitable extinguishing media

Water spray. Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Sand.

### Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Remove persons to safety.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

Wipe up with absorbent material (eg. cloth, fleece). Clear contaminated areas thoroughly.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin and eyes.  
Restricted to professional users. Keep out of the reach of children.  
Observe instructions for use.

#### Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking.

#### Further information on handling

After use replace the closing cap immediately.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

#### Further information on storage conditions

Recommended storage temperature: 4 - 8 °C

## 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
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

### 8.2. Exposure controls

#### Protective and hygiene measures

When using do not eat, drink or smoke.

#### Eye/face protection

Framed glasses.

#### Hand protection

Single-use gloves.

#### Skin protection

Lab apron.

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### Respiratory protection

Provide adequate ventilation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: liquid  
Colour: light yellow  
Odour: characteristic

### Test method

#### Changes in the physical state

Flash point: 28 °C  
Density: 1.0 g/cm<sup>3</sup>  
Water solubility: partially soluble

#### Solubility in other solvents

Ethanol.

## SECTION 10: Stability and reactivity

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.4. Conditions to avoid

heat.

### 10.5. Incompatible materials

Oxidizing agents.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
64-17-5	ethanol, ethyl alcohol	oral	LD50	6200 mg/kg	Rat	IUCLID
		inhalative (4 h) vapour	LC50	95,6 mg/l	Rat	RTECS
72869-86-4	Urethane dimethacrylate	oral	LD50	>2000 mg/kg	Rat	OECD 401
868-77-9	2-hydroxyethyl methacrylate	oral	LD50	5050 mg/kg	Rat	

#### Irritation and corrosivity

Causes skin irritation.  
Causes serious eye irritation.

#### Sensitising effects

May cause an allergic skin reaction. (2-hydroxyethyl methacrylate)

## SECTION 12: Ecological information

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### 12.1. Toxicity

CAS No	Chemical name	Method	Dose	[h]   [d]	Species	Source
64-17-5	ethanol, ethyl alcohol					
	Acute crustacea toxicity	EC50 mg/l	9268 - 14221	48 h	Daphnia magna	IUCLID
72869-86-4	Urethane dimethacrylate					
	Acute fish toxicity	LC50	10.1 mg/l	96 h	Brachydanio rerio (zebra-fish)	OECD 203
868-77-9	2-hydroxyethyl methacrylate					
	Acute fish toxicity	LC50	227 mg/l	96 h	Pimephales promelas	

### 12.2. Persistence and degradability

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
72869-86-4	Urethane dimethacrylate				
		OECD 301 F	22%	28	
	Product is not easily biodegradable.				

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31
72869-86-4	Urethane dimethacrylate	3.39
868-77-9	2-hydroxyethyl methacrylate	0,47

#### Further information

According to the criteria of the EC-classification and labelling "dangerous for the environment" (93/21/EEC) the material/product is not to be classified as dangerous to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 1170
<b>14.2. UN proper shipping name:</b>	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3
Classification code:	F1
Limited quantity:	LQ4
Hazard No:	33

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### Other applicable information (land transport)

Special provisions: 274

E3

: 1

D/E

Special provisions: 274 601 640C

E2

: 2

Special provisions: 640C

Special provisions: 144 601

### Marine transport (IMDG)

**14.1. UN number:** UN 1170

**14.2. UN proper shipping name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3

Limited quantity: 3 L

EmS: F-E, S-D

### Other applicable information (marine transport)

Special provisions: 274, 330, 944

Special provisions: 944

Special provisions: 144, 330

### Air transport (ICAO)

**14.1. UN number:** UN 1170

**14.2. UN proper shipping name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3

Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 305

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 307

IATA-max. quantity - Cargo: 60 L

### Other applicable information (air transport)

E2

: Y305

60 L

## SECTION 15: Regulatory information

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

National regulatory information

Additional information

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## SECTION 16: Other information

### Relevant R-phrases (Number and full text)

11 Highly flammable.

36/38 Irritating to eyes and skin.

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- 43 May cause sensitisation by skin contact.
- 52 Harmful to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.

### Relevant H- and EUH-phrases (Number and full text)

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.

### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.

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