

according to Regulation (EC) No 1907/2006

**Adhesive**

Revision date: 21.04.2015

Print date: 20.11.2015

Page 1 of 6

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Adhesive

**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**

Company name: Coltène/Whaledent AG  
Street: Feldwiesenstrasse 20  
Place: CH-9450 Altstätten  
Telephone: +41 (71) 75 75 300  
Telefax: +41 (71) 75 75 301  
e-mail: info.ch@coltene.com  
Internet: www.coltene.com  
Responsible Department: Regulatory Affairs  
msds@coltene.com

**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: F - Highly flammable, N - Dangerous for the environment

R phrases:

Highly flammable.

Very toxic to aquatic organisms.

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

Hazard categories:

Flammable liquid: Flam. Liq. 2

Hazardous to the aquatic environment: Aquatic Acute 1

Hazard Statements:

Highly flammable liquid and vapour.

Very toxic to aquatic life.

**2.2. Label elements**

Signal word:

Danger

Pictograms:

GHS02-GHS09

**Hazard statements**

H225

Highly flammable liquid and vapour.

H400

Very toxic to aquatic life.

**Precautionary statements**

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233

Keep container tightly closed.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

according to Regulation (EC) No 1907/2006

**Adhesive**

Revision date: 21.04.2015

Print date: 20.11.2015

Page 2 of 6

P391

Collect spillage.

**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		
203-492-7	Hexamethyldisiloxane	<80 %
107-46-0	F - Highly flammable, N - Dangerous for the environment R11-50	
	Flam. Liq. 2, Aquatic Acute 1 (M-Factor = 1); H225 H400	
01-2119496108-31		
215-535-7	xylene	< 1 %
1330-20-7	Xn - Harmful, Xi - Irritant R10-20/21-38	
601-022-00-9	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315	

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****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**

according to Regulation (EC) No 1907/2006

### Adhesive

Revision date: 21.04.2015

Print date: 20.11.2015

Page 3 of 6

#### 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: 15 - 23 °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
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

##### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

#### 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.

##### Respiratory protection

Provide adequate ventilation.

##### Environmental exposure controls

Do not allow to enter into surface water or drains.

### SECTION 9: Physical and chemical properties

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

Physical state: liquid  
 Colour: red  
 Odour: characteristic

according to Regulation (EC) No 1907/2006

### Adhesive

Revision date: 21.04.2015

Print date: 20.11.2015

Page 4 of 6

#### Test method

#### Changes in the physical state

Flash point: - 6 °C DIN 51755

Density: 0.8 g/cm<sup>3</sup>

Water solubility: insoluble

#### Solubility in other solvents

Ethanol, ketone.

## SECTION 10: Stability and reactivity

### 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
107-46-0	Hexamethyldisiloxane				
	dermal	LD50	>2000 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50	106 mg/l	Rat	
1330-20-7	xylene				
	dermal	ATE	1100 mg/kg		
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1.5 mg/l		

#### Irritation and corrosivity

Hazards identification: Frequently or prolonged contact with skin may cause dermal irritation.

#### Sensitising effects

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

#### STOT-single exposure

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

#### Aspiration hazard

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

## SECTION 12: Ecological information

### 12.1. Toxicity

Very toxic to aquatic organisms.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
107-46-0	Hexamethyldisiloxane					
	Acute fish toxicity	LC50	0.46 mg/l	96 h	Oncorhynchus mykiss	OECD 203
	Acute crustacea toxicity	EC50	>0.37 mg/l	48 h	Daphnia magna	OECD 202

according to Regulation (EC) No 1907/2006

**Adhesive**

Revision date: 21.04.2015

Print date: 20.11.2015

Page 5 of 6

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
107-46-0	Hexamethyldisiloxane	>= 3.0

**Further information**

Does not enter into waste water by proper application.

Do not allow uncontrolled leakage of product into 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 1133
<b>14.2. UN proper shipping name:</b>	Adhesives
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3
Classification code:	F1
Limited quantity:	LQ6
Hazard No:	33

**Other applicable information (land transport)**

Special provisions: 274

E3

: 1

D/E

Special provisions: 274 601 640C

E2

: 2

Special provisions: 640C

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	UN 1133
<b>14.2. UN proper shipping name:</b>	Adhesives
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3
Marine pollutant:	•
Limited quantity:	5 L
EmS:	F-E, S-D

**Other applicable information (marine transport)**

Special provisions: 274, 330, 944

Special provisions: 944

**Air transport (ICAO)**

according to Regulation (EC) No 1907/2006

**Adhesive**

Revision date: 21.04.2015

Print date: 20.11.2015

Page 6 of 6

<b>14.1. UN number:</b>	UN 1133
<b>14.2. UN proper shipping name:</b>	Adhesives
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	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****SECTION 16: Other information****Relevant R-phrases (Number and full text)**

10	Flammable.
11	Highly flammable.
20/21	Harmful by inhalation and in contact with skin.
38	Irritating to skin.
50	Very toxic to aquatic organisms.

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.

**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.

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