

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

077181258

N/A

according to Regulation (EC) No 1907/2006

**Adhesive**

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Print date: 28.07.2021

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**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:	COLTENE/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

**1.4. Emergency telephone number:** +41 (0) 44 251 51 51 - Tox Info Suisse (24 h)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Flammable liquid: Flam. Liq. 2

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Highly flammable liquid and vapour.

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Signal word:** Danger**Pictograms:****Hazard statements**

H225	Highly flammable liquid and vapour.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P370+P378	In case of fire: Use Water mist, carbon dioxide or alcohol-resistant foam to extinguish.

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P391 Collect spillage.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container to Dispose in a safe place.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
107-46-0	Hexamethyldisiloxane			70 - < 75 %
	203-492-7		01-2119496108-31	
	Flam. Liq. 2, Aquatic Acute 1, Aquatic Chronic 2; H225 H400 H411			

Full text of H and EUH statements: 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.

#### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

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

#### 5.2. Special hazards arising from the substance or mixture

Flammable

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

##### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
 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.

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### **6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment. Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Wipe up with absorbent material (eg. cloth, fleece). Clear contaminated areas thoroughly.

### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid contact with skin and eyes.

for professional use only 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 away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed and in a well-ventilated place.

#### **Hints on joint storage**

Do not store together with: Oxidizing agent Pyrophoric or self-heating substances

#### **Further information on storage conditions**

Recommended storage temperature: 15 - 23 °C

### **7.3. Specific end use(s)**

for dental use only

## **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
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

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#### DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
107-46-0	Hexamethyldisiloxane		
Worker DNEL, long-term	dermal	systemic	126 mg/kg bw/day
Worker DNEL, acute	inhalation	systemic	890 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	25 mg/kg bw/day
Consumer DNEL, acute	inhalation	systemic	266 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	25 mg/kg bw/day

#### PNEC values

CAS No	Substance	
Environmental compartment	Value	
107-46-0	Hexamethyldisiloxane	
Freshwater	0,008 mg/l	
Marine water	0,0008 mg/l	
Freshwater sediment	0,065 mg/kg	
Marine sediment	0,0065 mg/kg	
Secondary poisoning	67 mg/kg	
Micro-organisms in sewage treatment plants (STP)	10 mg/l	
Soil	0,25 mg/kg	

#### 8.2. Exposure controls

##### Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink or smoke.

##### Eye/face protection

Framed glasses.

##### Hand protection

Single-use gloves.

##### Skin protection

Flame-retardant protective clothing 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

#### Test method

##### Changes in the physical state

Melting point: -68 °C

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Boiling point or initial boiling point and boiling range:	100 °C
Sublimation point:	not applicable
Softening point:	not applicable
Pour point:	not applicable
Flash point:	- 6 °C DIN 51755
Sustaining combustion:	No data available
Lower explosion limits:	0.68 vol. %
Upper explosion limits:	26 vol. %
Auto-ignition temperature:	340 °C DIN 51794
<b>Self-ignition temperature</b>	
Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not applicable
<b>Oxidizing properties</b>	
not applicable	
Vapour pressure:	44 hPa
(at 20 °C)	
Vapour pressure:	175 hPa
(at 50 °C)	
Density (at 20 °C):	0.835 g/cm <sup>3</sup>
Water solubility:	<0.001 g/L
(at 20 °C)	
<b>Solubility in other solvents</b>	
Petroleum	
Partition coefficient n-octanol/water:	>4
Viscosity / dynamic:	0.5 mPa·s
(at 25 °C)	
Viscosity / kinematic:	0.65 mm <sup>2</sup> /s
(at 25 °C)	
Flow time:	not applicable
Relative vapour density:	not applicable
Evaporation rate:	not applicable
Solvent separation test:	not applicable
Solvent content:	73
<b><u>9.2. Other information</u></b>	
Solid content:	27

## SECTION 10: Stability and reactivity

### **10.1. Reactivity**

Flammable

### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

### **10.3. Possibility of hazardous reactions**

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No known hazardous reactions.

**10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

**10.5. Incompatible materials**

Oxidizing agents.

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

## 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 route	Dose	Species	Source	Method
107-46-0	Hexamethyldisiloxane				
	dermal	LD50 >2000 mg/kg	Rabbit	OECD 402	
	inhalation (4 h) vapour	LC50 106 mg/l	Rat	OECD 403	

**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	Dose	[h]   [d]	Species	Source	Method
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	
	Fish toxicity	NOEC >=0,04 mg/l	56 d	Cyprinus carpio (Common Carp)	OECD 305	
	Crustacea toxicity	NOEC 0,08 mg/l	21 d	Daphnia magna	OECD 211	

**12.2. Persistence and degradability**

The product has not been tested.

**12.3. Bioaccumulative potential**

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The product has not been tested.

#### Partition coefficient n-octanol/water

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

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

#### 12.6. Other adverse effects

No information available.

#### 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

##### Disposal recommendations

Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains. Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

##### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### 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



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<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-TI/IATA-DGR)**

<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

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

Information according to 2012/18/EU (SEVESO III): E1 Hazardous to the Aquatic Environment

Additional information: P5c

**National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

**Relevant H and EUH statements (number and full text)**

H225	Highly flammable liquid and vapour.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

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**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.)*