

SAFETY DATA SHEETS

This SDS packet was issued with item:

077181258

N/A

according to Regulation (EC) No 1907/2006

Adhesive

Revision date: 27.05.2021

Print date: 28.07.2021

Page 1 of 9

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.

according to Regulation (EC) No 1907/2006

Adhesive

Revision date: 27.05.2021

Print date: 28.07.2021

Page 2 of 9

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 (CO₂). 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.

according to Regulation (EC) No 1907/2006

Adhesive

Revision date: 27.05.2021

Print date: 28.07.2021

Page 3 of 9

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 ³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

according to Regulation (EC) No 1907/2006

Adhesive

Revision date: 27.05.2021

Print date: 28.07.2021

Page 4 of 9

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/m³
Consumer DNEL, long-term		dermal	systemic	25 mg/kg bw/day
Consumer DNEL, acute		inhalation	systemic	266 mg/m³
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

according to Regulation (EC) No 1907/2006

Adhesive

Revision date: 27.05.2021

Print date: 28.07.2021

Page 5 of 9

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
Self-ignition temperature	
Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not applicable
Oxidizing properties	
not applicable	
Vapour pressure:	44 hPa
(at 20 °C)	
Vapour pressure:	175 hPa
(at 50 °C)	
Density (at 20 °C):	0.835 g/cm ³
Water solubility:	<0.001 g/L
(at 20 °C)	
Solubility in other solvents	
Petroleum	
Partition coefficient n-octanol/water:	>4
Viscosity / dynamic:	0.5 mPa·s
(at 25 °C)	
Viscosity / kinematic:	0.65 mm ² /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
9.2. Other information	
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

according to Regulation (EC) No 1907/2006

Adhesive

Revision date: 27.05.2021

Print date: 28.07.2021

Page 6 of 9

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

according to Regulation (EC) No 1907/2006

Adhesive

Revision date: 27.05.2021

Print date: 28.07.2021

Page 7 of 9

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)**

14.1. UN number:	UN 1133
14.2. UN proper shipping name:	Adhesives
14.3. Transport hazard class(es):	3
14.4. Packing group:	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)

14.1. UN number:	UN 1133
14.2. UN proper shipping name:	Adhesives
14.3. Transport hazard class(es):	3

according to Regulation (EC) No 1907/2006

Adhesive

Revision date: 27.05.2021

Print date: 28.07.2021

Page 8 of 9

14.4. Packing group: 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)

14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives
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

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

E1 Hazardous to the Aquatic Environment

(SEVESO III):

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.

according to Regulation (EC) No 1907/2006

Adhesive

Revision date: 27.05.2021

Print date: 28.07.2021

Page 9 of 9

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.)