

One Coat Bond

Revision date : 10.05.2010

Print date : 20.05.2010

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1. Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

One Coat Bond

Use of the substance/preparation

for dental use only

Company/undertaking identification

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@coltenewhaledent.ch
Internet : www.coltenewhaledent.com

2. Hazards identification**Classification**

Indications of danger : Irritant

R-phrases :

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact.

3. Composition/information on ingredients**Chemical characterization (Mixture)****Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
212-782-2	868-77-9	2-hydroxyethyl methacrylate	35 - 40 %	Xi R36/38-43
217-388-4	1830-78-0	GDMA	20 - 25 %	Xi R36/37/38
		Urethane dimethacrylate	15 - 20 %	R52-53

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures**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 attention if problems persist.

5. Fire-fighting measures**Suitable extinguishing media**

Water. Foam. Extinguishing powder. Carbon dioxide (CO2). Sand.

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Additional information

Extinguishing materials should be selected according to the surrounding area.

6. Accidental release measures**Personal precautions**

Avoid contact with skin and eyes.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods for cleaning up/taking up

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

7. Handling and storage**Handling****Advice on safe handling**

Avoid contact with skin and eyes.

Restricted to professional users. Keep out of the reach of children.

Further information on handling

After use replace the closing cap immediately.

Storage**Further information on storage conditions**

Substances sensitive to light.

Recommended storage temperature: 4 - 23 °C

8. Exposure controls/personal protection**Exposure limit values****Exposure controls****Protective and hygiene measures**

When using do not eat, drink or smoke.

Hand protection

Single-use gloves. Suitable material: PVC (Polyvinyl chloride).

Roeko Glovyl - or comparable makes from other companies.

Eye protection

Framed glasses.

Skin protection

Lab apron.

9. Physical and chemical properties**General information**

Physical state : Jelly

Colour : colourless

Important health, safety and environmental information

Test method

Changes in the physical state

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Density (at 23 °C) : 1.13 g/cm³
Water solubility (at 23 °C) : insoluble
Solubility in other solvents : Ethanol. (partially soluble)

10. Stability and reactivity**Conditions to avoid**

Light.
UV-radiation/sunlight.

11. Toxicological information**Sensitising effects**

May cause sensitization in susceptible people.

12. Ecological information**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.

13. Disposal considerations**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.

14. Transport information**Land transport (ADR/RID)**

UN number : ---
Warning plate

Inland waterways transport

UN number : ---

Marine transport

UN number : ---

Air transport

UN/ID number : ---

Further Information

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information**Labelling**

Danger symbols : Xi - Irritant

Hazardous component(s) to be indicated on label

2-hydroxyethyl methacrylate

R phrases

36/37/38 Irritating to eyes, respiratory system and skin.

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43 May cause sensitization by skin contact.

S phrases

24 Avoid contact with skin.

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

37 Wear suitable gloves.

National regulatory information**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

36/37/38 Irritating to eyes, respiratory system and skin.

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact.

52 Harmful to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

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.)

Date of issue: 2006-02-14

Date of print: 2006-02-14

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n.a. = not applicable, n.k. = not known

1. Identification of the substance/preparation and of the company/undertaking**Product details:**Trade name: **Synergy D6****Manufacturer/Supplier:**

Coltène/Whaledent AG
 Feldwiesenstrasse 20
 CH-9450 Altstätten, Switzerland
 Tel: + 41 71 757 53 00
 Fax: + 41 71 757 53 01

Coltène/Whaledent Inc.
 235 Ascot Parkway
 Cuyahoga Falls, OH 44223
 Tel: 1-330-916-8800
 FAX: 1-330-916-7077

Emergency information:**2. Composition / information on ingredients****Chemical characterization:** dental filling material**Hazardous components:**

Methacrylates 25 % Xi, R36/37/38

3. Hazards identification

Xi irritant

R36/37/38 Irritating to eyes, respiratory system and skin

4. First-aid measures**General information:****After inhalation:****After skin contact:****After eye contact:****After swallowing**

—

—

Wash with soap.

Rinse immediately with plenty of water and seek medical advice

—

5. Fire-fighting measures**Extinguishing media:**

water spray jet, dry powder, foam, carbon dioxide, sand

Unsuitable extinguishing media:

—

Protective equipment:

—

6. Accidental release measures**Personal precautions:**

Handle unpolymerized composite with spatula, avoid direct contact with skin

Environmental precautions:

Observe local bye-laws

Methods for cleaning up:

Wipe off with a towel

7. Handling and storage**Handling:**

Follow instructions for use. The product should only be supplied or handled to dentists or dental technicians or upon their instructions.

Storage:

Store in a cold, dry place, avoid exposure to direct sunlight.

8. Exposure controls / personal protection

General: Do not eat, drink or smoke when handling. Avoid contact with eyes or skin.

Wear gloves.

Goggles give full protection.

Trade name: Synergy D6

Manufacturer/Supplier: Coltène/Whaledent AG, 9450 Altstätten, Switzerland; Coltène/Whaledent Inc, Cuyahoga Falls, OH 44223

9. Physical and chemical properties**Appearance**

Form: paste

Colour: toothcolored

Odour: —

Information on change in the physical state:

Boiling point/boiling range (°C)

n.a.

Flash point (°C)

n.a.

pH

n.a.

Ignition temperature (°C)

n.a.

Explosion hazard

n.a.

Explosive limits (Vol%), LEL

n.a.

UEL n.a.

Other information

Relative density

2.2 g/ml

Solubility

partially soluble in ethanol

Vapour pressure

n.a.

Viscosity

n.a.

10. Stability and reactivity

If stored and handled in accordance with manufacturer's instructions for use no hazardous reactions are known.

11. Toxicological information

During the long period of use of similar products as dental filling materials no health diseases are reported.
Unpolymerized resin may be irritant to eyes or skin or may cause allergic reactions.

12. Ecological information

Polymerized dental filling materials do not cause disturbances in sewage plants

13. Disposal consideration

Disposal has to be made in compliance with local laws

14. Transport information**ADR/RID-GGVS/GGVE****IMDG/GGVSea****ICAO-TI; IATA-DGR**

not classified as dangerous goods

15. Regulatory information

medical device according to 93/42/EEC

16 Other information

The above information is based on our present day knowledge and relates solely to the safety requirements of the product. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.

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1. Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

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Use of the substance/preparation

for dental use only

Company/undertaking identification

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@coltenewhaledent.ch
Internet : www.coltenewhaledent.com

2. Hazards identification**Classification**

Indications of danger : Corrosive

R-phrases :

Causes burns.

3. Composition/information on ingredients**Chemical characterization (Mixture)****Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
231-633-2	7664-38-2	phosphoric acid , orthophosphoric acid	35 - 40 %	C R34

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures**General information**

Remove contaminated clothing immediately and dispose off safely.

After inhalation

Provide fresh air. In case of irritation of the respiratory tract seek medical advice.

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

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Medical treatment necessary.

5. Fire-fighting measures

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Suitable extinguishing mediaWater. Foam. Extinguishing powder. Carbon dioxide (CO₂). Sand.**Additional information**

Extinguishing materials should be selected according to the surrounding area.

6. Accidental release measures**Personal precautions**

Avoid contact with skin and eyes.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Clear contaminated area thoroughly.

7. Handling and storage**Handling****Advice on safe handling**

Avoid contact with skin and eyes.

Restricted to professional users. Keep out of the reach of children.

Storage**Further information on storage conditions**

Protect against: UV-radiation/sunlight.

Recommended storage temperature: 4 - 23°C

8. Exposure controls/personal protection**Exposure limit values****Exposure limits (EH40)**

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

Exposure controls**Protective and hygiene measures**

When using do not eat, drink or smoke.

Hand protection

Single-use gloves. Suitable material: PVC (Polyvinyl chloride).

Roeko Glovyl - or comparable makes from other companies.

Eye protection

Framed glasses.

Skin protection

Lab apron.

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9. Physical and chemical properties**General information**

Physical state : Jelly
Colour : blue

Important health, safety and environmental information

	Test method
pH-Value :	< 1
Changes in the physical state	
Density (at 23 °C) :	1.3 g/cm ³
Water solubility (at 23 °C) :	easily soluble.
Solubility in other solvents :	Ethanol.

10. Stability and reactivity**Conditions to avoid**

-

11. Toxicological information**Acute toxicity**

Irritation and etching

12. Ecological information**Further information**

Do not allow uncontrolled leakage of product into the environment.

13. Disposal considerations**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.

14. Transport information**Land transport (ADR/RID)**

UN number :	1805
ADR/RID class :	8
Classification code :	C1
Warning plate	
Hazard-no. :	80
Hazard label :	8
ADR/RID packing group :	III
Limited quantity :	LQ7

Description of the goods

PHOSPHORIC ACID SOLUTION

Other applicable information (land transport)

E1

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E

Inland waterways transport

UN number : 1805
ADNR class : 8
Classification code : C1
Hazard label : 8
Packing group : III
Limited quantity : LQ7

Description of the goods

PHOSPHORIC ACID SOLUTION

Marine transport

UN number : ---

Air transport

UN/ID number : 1805
ICAO/IATA-DGR : 8
Hazard label : 8
ICAO packing group : III
Limited quantity Passenger : 1 L

IATA-packing instructions - Passenger : 819
IATA-max. quantity - Passenger : 5 L
IATA-packing instructions - Cargo : 821
IATA-max. quantity - Cargo : 60 L

Description of the goods

PHOSPHORIC ACID SOLUTION

Other applicable information (air transport)

E1

: Y819

60 L

15. Regulatory information**Labelling**

Danger symbols : C - Corrosive

Hazardous component(s) to be indicated on label

phosphoric acid , orthophosphoric acid

R phrases

34 Causes burns.

S phrases

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

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

National regulatory information

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16. Other information**Full text of R-phrases referred to under sections 2 and 3**

34 Causes burns.

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.)

~Verified on 2011-10 by Henry Schein to be the most current version of the MSDS. To be verified again on 2014-10. ~