

## **SAFETY DATA SHEETS**

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

077218308

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

077217904 077217912 077217920 077218290

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

077218183 077218191 273003680

**ParaPost ParaCore handmix Base**

Revision date : 06.05.2010

Print date : 18.05.2010

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

ParaPost ParaCore handmix Base

**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 respiratory system.

May cause sensitization by skin contact.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

EC-No.	CAS-No.	Chemical name	Quantity	Classification
216-367-7	1565-94-2	BISGMA	10 - 15 %	Xi R36/37/38
202-617-2	97-90-5	ethylene dimethacrylate	1 - 5 %	Xi R37-43
221-950-4	3290-92-4	TMPTMA	1 - 5 %	N R51-53
231-667-8	7681-49-4	sodium fluoride	< 1 %	T, Xi R25-36/38-32

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**

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**Suitable extinguishing media**Water. Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). 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**

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 - 8 °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 : Paste

Colour : off-white

**Important health, safety and environmental information**

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Test method

**Changes in the physical state**

Density (at 23 °C) : 2.1 g/cm<sup>3</sup>  
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**  
ethylene dimethacrylate

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**R phrases**

- 37 Irritating to respiratory system.  
43 May cause sensitization by skin contact.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

- 25 Toxic if swallowed.  
32 Contact with acids liberates very toxic gas.  
36/37/38 Irritating to eyes, respiratory system and skin.  
36/38 Irritating to eyes and skin.  
37 Irritating to respiratory system.  
43 May cause sensitization by skin contact.  
51 Toxic to aquatic organisms.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
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.

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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.)*

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Revision date : 06.05.2010

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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 : Irritant

R-phrases :

Irritating to respiratory system.

May cause sensitization by skin contact.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

EC-No.	CAS-No.	Chemical name	Quantity	Classification
216-367-7	1565-94-2	BISGMA	10 - 15 %	Xi R36/37/38
202-617-2	97-90-5	ethylene dimethacrylate	1 - 5 %	Xi R37-43
221-950-4	3290-92-4	TMPTMA	1 - 5 %	N R51-53
202-327-6	94-36-0	dibenzoyl peroxide; benzoyl peroxide	< 1 %	E, O, Xi R3-7-36-43

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**

according to Regulation (EU) No. 1907/2006

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**Suitable extinguishing media**Water. Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). 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**

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 - 8 °C

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

CAS-No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
94-36-0	Dibenzoyl peroxide	-	5		TWA (8 h)	WEL
		-	-		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 : Paste  
Colour : off-white

**Important health, safety and environmental information**

Test method

**Changes in the physical state**

Density (at 23 °C) : 2.1 g/cm<sup>3</sup>  
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.



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**15. Regulatory information****Labelling**

Danger symbols : Xi - Irritant

**Hazardous component(s) to be indicated on label**  
ethylene dimethacrylate**R phrases**

- 37 Irritating to respiratory system.
- 43 May cause sensitization by skin contact.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S phrases**

- 24 Avoid contact with skin.
- 37 Wear suitable gloves.

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

- 03 Extreme risk of explosion by shock, friction, fire or other sources of ignition.
- 07 May cause fire.
- 36 Irritating to eyes.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 37 Irritating to respiratory system.
- 43 May cause sensitization by skin contact.
- 51 Toxic to aquatic organisms.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 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.)*

according to Regulation (EC) No 1907/2006

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

ParaCore

**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

**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:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

TEGDMA

**Signal word:** Warning**Pictograms:****Hazard statements**

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.

**Precautionary statements**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
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according to Regulation (EC) No 1907/2006

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P302+P352 IF ON SKIN: Wash with plenty of water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 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.

**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**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
72869-86-4	UDMA			10 - < 15 %
	276-957-5			
	Aquatic Chronic 3; H412			
3290-92-4	TMPTMA			10 - < 15 %
	221-950-4		01-2119542176-41	
	Aquatic Chronic 2; H411			
1565-94-2	BISGMA			5 - < 10 %
	216-367-7			
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
109-16-0	TEGDMA			1 - < 5 %
	203-652-6			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335			
94-36-0	dibenzoyl peroxide; benzoyl peroxide			< 1 %
	202-327-6	617-008-00-0		
	Org. Perox. B, Eye Irrit. 2, Skin Sens. 1; H241 H319 H317			
7681-49-4	sodium fluoride			< 1 %
	231-667-8	009-004-00-7		
	Acute Tox. 3, Eye Irrit. 2, Skin Irrit. 2; H301 H319 H315 EUH032			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of 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.

**SECTION 5: Firefighting measures**

according to Regulation (EC) No 1907/2006

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#### 5.1. Extinguishing media

##### Suitable extinguishing media

Water. 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

Avoid contact with skin and eyes.

#### 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.

for professional use only Keep out of the reach of children.

Observe instructions for use.

##### Further information on handling

After use replace the closing cap immediately.

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

##### Further information on storage conditions

Substances sensitive to light.

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
94-36-0	Dibenzoyl peroxide	-	5		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.

according to Regulation (EC) No 1907/2006

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: Paste  
 Colour: off-white

**Test method****Changes in the physical state**

Density (at 23 °C): 2.1 g/cm<sup>3</sup>  
 Water solubility: insoluble  
 (at 23 °C)

**Solubility in other solvents**

Ethanol. (partially soluble)

**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**

Light.  
 UV-radiation/sunlight.

**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
72869-86-4	UDMA			
	oral	LD50 >2000 mg/kg	Rat	OECD 401
3290-92-4	TMPTMA			
	oral	LD50 > 5000 mg/kg	Rat	literature value
	dermal	LD50 > 3000 mg/kg	Rabbit	literature value
109-16-0	TEGDMA			
	oral	LD50 10837 mg/kg	Rat	literature value
7681-49-4	sodium fluoride			
	oral	LD50 52 mg/kg	Rat	RTECS

**Irritation and corrosivity**

Causes skin irritation.  
 Causes serious eye irritation.

**Sensitising effects**

May cause an allergic skin reaction. (TEGDMA), (dibenzoyl peroxide; benzoyl peroxide)

**SECTION 12: Ecological information****12.1. Toxicity**

according to Regulation (EC) No 1907/2006

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CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
72869-86-4	UDMA				
	Acute fish toxicity	LC50	10.1 mg/l	96 h	Brachydanio rerio (zebra-fish) OECD 203
3290-92-4	TMPTMA				
	Acute fish toxicity	LC50	2 mg/l	96 h	Oncorhynchus mykiss literature value
	Acute algae toxicity	ErC50	0.177 mg/l	96 h	Pseudokirchneriella subcapitata literature value
	Acute crustacea toxicity	EC50	> 9.22 mg/l	48 h	Daphnia magna
7681-49-4	sodium fluoride				
	Acute fish toxicity	LC50	925 mg/l	96 h	Gambusia affinis
	Acute algae toxicity	ErC50	850 mg/l	72 h	Desmodesmus subspicatus
	Acute crustacea toxicity	EC50	338 mg/l	48 h	Daphnia magna IUCLID

#### 12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
72869-86-4	UDMA			
	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
72869-86-4	UDMA	3.39
3290-92-4	TMPTMA	3.53
1565-94-2	BISGMA	4.94
109-16-0	TEGDMA	1.88

#### 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)

**14.1. UN number:** ---

#### Inland waterways transport (ADN)

**14.1. UN number:** ---

#### Marine transport (IMDG)

**14.1. UN number:** ---

according to Regulation (EC) No 1907/2006

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**Air transport (ICAO)****14.1. UN number:** ---**Other applicable information**

Not a hazardous material with respect to these transportation regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****Additional information**  
-----**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H241	Heating may cause a fire or explosion.
H301	Toxic if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH032	Contact with acids liberates very toxic gas.

**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.)*