

## **SAFETY DATA SHEETS**

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

077184666

**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).**

077184658 077184674

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Revision date : 06.05.2010

Print 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**

Activator.

**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

**Further Information**

Only supplied to dentists and dental laboratories or upon their instructions

**2. Hazards identification****Classification**

Indications of danger : Harmful, Irritant

R-phrases :

Flammable.

Risk of serious damage to eyes.

Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

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
		Alkyl silicates	20 - 25 %	Xn, Xi R10-20-37/38-41-48/22-53
		Diocetyl tin dicarboxylate	5 - 10 %	Xn R48/22-53

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.

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**5. Fire-fighting measures****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****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.

**Further information on handling**

After use replace the closing cap immediately.

**Storage****Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

Recommended storage temperature: 15 - 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.

**Eye protection**

Framed glasses.

**Skin protection**

Lab apron.

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

Physical state :	Paste
Colour :	green
Odour :	characteristic

**Important health, safety and environmental information**

Test method

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**Changes in the physical state**

Boiling point :	>150 °C
Density (at 23 °C) :	1.1 g/cm <sup>3</sup>
Water solubility (at 23 °C) :	insoluble
Solubility in other solvents :	ketone.

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

Air, humid.

**Additional information**

Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

**11. Toxicological information****Acute toxicity**

LD50: &gt;2000 mg/kg (Rat.)

The statement is derived from products of similar composition.

**Corrosive and irritant effects**

Irritant effect on the skin: (Rabbit.)

Not an irritant.

The statement is derived from products of similar composition.

**Sensitising effects**

Guinea-pig.

no danger of sensitization.

The statement is derived from products of similar composition.

**12. Ecological information****Further information**

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

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****Further Information**

Not a hazardous material with respect to these transportation regulations.

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

Danger symbols : Xn - Harmful

**Hazardous component(s) to be indicated on label**

Alkyl silicates

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**R phrases**

- 10 Flammable.
- 41 Risk of serious damage to eyes.
- 48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
- 53 May cause long-term adverse effects in the aquatic environment.

**S phrases**

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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

- 10 Flammable.
- 20 Harmful by inhalation.
- 37/38 Irritating to respiratory system and skin.
- 41 Risk of serious damage to eyes.
- 48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
- 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- 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**

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**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Activator.

**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)

**Further Information**

Only supplied to dentists and dental laboratories or upon their instructions

**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

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 4

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

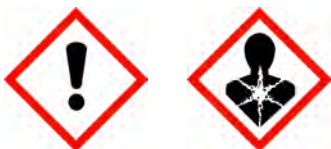
May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

May cause long lasting harmful effects to aquatic life.

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

Alkyl silicates

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

H315

Causes skin irritation.

H319

Causes serious eye irritation.

according to Regulation (EC) No 1907/2006

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H335 May cause respiratory irritation.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H413 May cause long lasting harmful effects to aquatic life.

#### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P332+P313 If skin irritation 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.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P314 Get medical advice/attention if you feel unwell.  
 P273 Avoid release to the environment.

#### 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]			
	Alkyl silicates			20 - < 25 %
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Aquatic Chronic 4; H226 H332 H315 H319 H335 H373 H413			
24577-34-2	Dioctyltin dicarboxylate			5 - < 10 %
	246-325-3			
	STOT RE 2, Aquatic Chronic 4; H373 H413			

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

### 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.

according to Regulation (EC) No 1907/2006

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**SECTION 6: Accidental release measures****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.

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**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 15 - 23 °C

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****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.

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

Physical state:	Paste
Colour:	green
Odour:	characteristic

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

Initial boiling point and boiling range: &gt;150 °C

Density (at 23 °C): 1.1 g/cm<sup>3</sup>Water solubility:  
(at 23 °C) insoluble**Solubility in other solvents**

ketone.

**SECTION 10: Stability and reactivity**



according to Regulation (EC) No 1907/2006

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#### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.4. Conditions to avoid

Air, humid.

#### Further information

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

LD50: >2000 mg/kg (Rat)

The statement is derived from products of similar composition.

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
	Alkyl silicates			
	inhalative vapour	ATE 11 mg/l		
	inhalative aerosol	ATE 1,5 mg/l		
24577-34-2	Diocetyl tin dicarboxylate			
	oral	LD50 2764 mg/kg	Rat	
	dermal	LD50 2764 mg/kg	Rabbit	

#### Irritation and corrosivity

Causes serious eye irritation.

Irritant effect on the skin: (Rabbit)

Not an irritant.

The statement is derived from products of similar composition.

#### Sensitising effects

Guinea-pig.

no danger of sensitization.

The statement is derived from products of similar composition.

#### STOT-single exposure

May cause respiratory irritation.

#### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
24577-34-2	Diocetyl tin dicarboxylate				
	Acute fish toxicity	LC50 22.8 mg/l	96 h		
	Acute crustacea toxicity	EC50 12.2 mg/l	48 h	Daphnia magna	

#### Further information

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

Do not allow uncontrolled leakage of product into the environment.

according to Regulation (EC) No 1907/2006

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**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:** -----**Marine transport (IMDG)****14.1. UN number:** -----**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**

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**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects 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.

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