

SAFETY DATA SHEETS

This SDS packet was issued with item:

077244833

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).

077180284 077180300

according to Regulation (EC) No 1907/2006

A.R.T. Bond Primer A

Revision date: 02.07.2012

Print date: 09.01.2013

Page 1 of 5

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

A.R.T. Bond Primer A

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

for dental use only

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

SECTION 2: Hazards identification**Classification of the substance or mixture**

Indications of danger : Irritant

R-phrases:

May cause sensitization by skin contact.

Label elements

Danger symbols: Xi - Irritant



Xi - Irritant

R phrases

43 May cause sensitization by skin contact.

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.

SECTION 3: Composition/information on ingredients**Mixtures**

according to Regulation (EC) No 1907/2006

A.R.T. Bond Primer A

Revision date: 02.07.2012

Print date: 09.01.2013

Page 2 of 5

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
203-742-5	maleic acid	
110-16-7	Xn, Xi R22-36/37/38-43	1 - 5 %
607-095-00-3	Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1; H302 H319 H335 H315 H317	
231-667-8	sodium fluoride	
7681-49-4	T, Xi R25-36/38-32	< 1 %
009-004-00-7	Acute Tox. 3, Eye Irrit. 2, Skin Irrit. 2; H301 H319 H315	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures**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.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**Water. Foam. Extinguishing powder. Carbon dioxide (CO₂). Sand.**Additional information**

Extinguishing materials should be selected according to the surrounding area.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

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

SECTION 7: Handling and storage**Precautions for safe 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.

Conditions for safe storage, including any incompatibilities**Further information on storage conditions**

Protect against: UV-radiation/sunlight.

according to Regulation (EC) No 1907/2006

A.R.T. Bond Primer A

Revision date: 02.07.2012

Print date: 09.01.2013

Page 3 of 5

Recommended storage temperature: 4 - 8 °C

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

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

Physical state: liquid
Colour: colourless

pH-Value:

2

Test method**Changes in the physical state**

Density (at 23 °C): 1.0 g/cm³
Water solubility: easily soluble.
(at 23 °C)

SECTION 10: Stability and reactivity**Conditions to avoid**

Light.
UV-radiation/sunlight.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
110-16-7	maleic acid				
	oral	ATE	500 mg/kg		
7681-49-4	sodium fluoride				
	oral	LD50	52 mg/kg	Rat	RTECS

SECTION 12: Ecological information

according to Regulation (EC) No 1907/2006

A.R.T. Bond Primer A

Revision date: 02.07.2012

Print date: 09.01.2013

Page 4 of 5

Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Method	Dose	h	Species
7681-49-4	sodium fluoride				
	Acute fish toxicity	LC50	925 mg/l	96	Gambusia affinis
	Acute algae toxicity	ErC50	850 mg/l	72	Desmodesmus subspicatus
	Acute crustacea toxicity	EC50	338 mg/l	48	Daphnia magna
					IUCLID

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**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)****UN number:** ---**Inland waterways transport****UN number:** ---**Marine transport****UN number:** ---**Air transport****UN/ID number:** ---**Other applicable information**

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****SECTION 16: Other information****Full text of R-phrases referred to under sections 2 and 3**

- 22 Harmful if swallowed.
- 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.
- 43 May cause sensitization by skin contact.

Full text of H-Statements referred to under sections 2 and 3

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.

according to Regulation (EC) No 1907/2006

A.R.T. Bond Primer A

Revision date: 02.07.2012

Print date: 09.01.2013

Page 5 of 5

- H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

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

A.R.T. Bond Primer B

Revision date: 02.07.2012

Print date: 09.01.2013

Page 1 of 5

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

A.R.T. Bond Primer B

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

for dental use only

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

SECTION 2: Hazards identification**Classification of the substance or mixture**

Indications of danger : Irritant

R-phrases:

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact.

Label elements

Danger symbols: Xi - Irritant



Xi - Irritant

Hazardous components which must be listed on the label

2-hydroxyethyl methacrylate

R phrases

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

SECTION 3: Composition/information on ingredients**Mixtures**

according to Regulation (EC) No 1907/2006

A.R.T. Bond Primer B

Revision date: 02.07.2012

Print date: 09.01.2013

Page 2 of 5

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
212-782-2	2-hydroxyethyl methacrylate	45 - 50 %
868-77-9	Xi R36/38-43	
607-124-00-X	Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1; H319 H315 H317	
217-388-4	GDMA	
1830-78-0	Xi R36/37/38	25 - 30 %

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures**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**Extinguishing media****Suitable extinguishing media**Water. Foam. Extinguishing powder. Carbon dioxide (CO₂). Sand.**Additional information**

Extinguishing materials should be selected according to the surrounding area.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

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

SECTION 7: Handling and storage**Precautions for safe 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.

Conditions for safe storage, including any incompatibilities

according to Regulation (EC) No 1907/2006

A.R.T. Bond Primer B

Revision date: 02.07.2012

Print date: 09.01.2013

Page 3 of 5

Further information on storage conditions

Substances sensitive to light.

Recommended storage temperature: 4 - 8 °C

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

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

Physical state: viscous, liquid

Colour: colourless

Test method**Changes in the physical state**

Density (at 23 °C):

1.1 g/cm³Water solubility:
(at 23 °C)

insoluble

Solubility in other solvents

Ethanol. (partially soluble)

SECTION 10: Stability and reactivity**Conditions to avoid**

Light.

UV-radiation/sunlight.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50	5050 mg/kg	Rat	

Sensitising effects

May cause sensitization in susceptible people.

SECTION 12: Ecological information

according to Regulation (EC) No 1907/2006

A.R.T. Bond Primer B

Revision date: 02.07.2012

Print date: 09.01.2013

Page 4 of 5

Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Method	Dose	h	Species
868-77-9	2-hydroxyethyl methacrylate				
	Acute fish toxicity	LC50	227 mg/l	96	Pimephales promelas

Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
868-77-9	2-hydroxyethyl methacrylate	0,47

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**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)**

UN number: ---

Inland waterways transport

UN number: ---

Marine transport

UN number: ---

Air transport

UN/ID number: ---

Other applicable information

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****SECTION 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.

Full text of H-Statements referred to under sections 2 and 3

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.

according to Regulation (EC) No 1907/2006

A.R.T. Bond Primer B

Revision date: 02.07.2012

Print date: 09.01.2013

Page 5 of 5

H319 Causes serious eye irritation.

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.)