

**A.R.T. Bond Bond**

Revision date : 10.05.2010

Print date : 20.05.2010

Page 1 of 4

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

A.R.T. Bond 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
203-652-6	109-16-0	TEGDMA	45 - 50 %	Xi R36/37/38-43
216-367-7	1565-94-2	BISGMA	40 - 45 %	Xi R36/37/38
212-782-2	868-77-9	2-hydroxyethyl methacrylate	1 - 5 %	Xi R36/38-43

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****Suitable extinguishing media**

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

**A.R.T. Bond Bond**

Revision date : 10.05.2010

Print date : 20.05.2010

Page 2 of 4

**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 : viscous, liquid

Colour : colourless

**Important health, safety and environmental information**

Test method

Changes in the physical state

**A.R.T. Bond Bond**

Revision date : 10.05.2010

Print date : 20.05.2010

Page 3 of 4

Density (at 23 °C) : 1.1 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**

TEGDMA  
2-hydroxyethyl methacrylate

**A.R.T. Bond Bond**

Revision date : 10.05.2010

Print date : 20.05.2010

Page 4 of 4

**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.

**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.

**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.)*