

according to Regulation (EC) No 1907/2006

**One Coat Bond**

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Print date: 17.05.2016

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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**

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<br>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

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause respiratory irritation.

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

2-hydroxyethyl methacrylate

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

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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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] |              |          |             |
| 868-77-9   | 2-hydroxyethyl methacrylate                                     |              |          | 35 - < 40 % |
|            | 212-782-2                                                       | 607-124-00-X |          |             |
|            | Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1; H319 H315 H317       |              |          |             |
| 1830-78-0  | GDMA                                                            |              |          | 20 - < 25 % |
|            | 217-388-4                                                       |              |          |             |
|            | Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335          |              |          |             |
| 72869-86-4 | Urethane dimethacrylate                                         |              |          | 15 - < 20 % |
|            | 276-957-5                                                       |              |          |             |
|            | Aquatic Chronic 3; H412                                         |              |          |             |

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.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

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**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 - 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:

Gel

Colour:

colourless

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

Density (at 23 °C):

1.13 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.

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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   |
| 868-77-9   | 2-hydroxyethyl methacrylate |                  |         |          |
|            | oral                        | LD50 5050 mg/kg  | Rat     |          |
| 1830-78-0  | GDMA                        |                  |         |          |
|            | oral                        | LD50 >2000 mg/kg | Rat     | OECD 423 |
| 72869-86-4 | Urethane dimethacrylate     |                  |         |          |
|            | oral                        | LD50 >2000 mg/kg | Rat     | OECD 401 |

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye irritation.

**Sensitising effects**

May cause an allergic skin reaction. (2-hydroxyethyl methacrylate)

**STOT-single exposure**

May cause respiratory irritation.

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

| CAS No     | Chemical name               |                |           |                                |          |
|------------|-----------------------------|----------------|-----------|--------------------------------|----------|
|            | Aquatic toxicity            | Dose           | [h]   [d] | Species                        | Source   |
| 868-77-9   | 2-hydroxyethyl methacrylate |                |           |                                |          |
|            | Acute fish toxicity         | LC50 227 mg/l  | 96 h      | Pimephales promelas            |          |
| 1830-78-0  | GDMA                        |                |           |                                |          |
|            | Acute fish toxicity         | LC50 43.2 mg/l | 96 h      | Poecilia reticulata (Guppy)    |          |
| 72869-86-4 | Urethane dimethacrylate     |                |           |                                |          |
|            | Acute fish toxicity         | LC50 10.1 mg/l | 96 h      | Brachydanio rerio (zebra-fish) | OECD 203 |

**12.2. Persistence and degradability**

| CAS No     | Chemical name                        |       |    |        |
|------------|--------------------------------------|-------|----|--------|
|            | Method                               | Value | d  | Source |
|            | Evaluation                           |       |    |        |
| 72869-86-4 | Urethane dimethacrylate              |       |    |        |
|            | OECD 301 F                           | 22%   | 28 |        |
|            | Product is not easily biodegradable. |       |    |        |

**12.3. Bioaccumulative potential**

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**Partition coefficient n-octanol/water**

| CAS No     | Chemical name               | Log Pow |
|------------|-----------------------------|---------|
| 868-77-9   | 2-hydroxyethyl methacrylate | 0,47    |
| 72869-86-4 | Urethane dimethacrylate     | 3.39    |

**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:** ---

**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)**

|      |                                                    |
|------|----------------------------------------------------|
| H315 | Causes skin irritation.                            |
| H317 | May cause an allergic skin reaction.               |
| H319 | Causes serious eye irritation.                     |
| H335 | May cause respiratory irritation.                  |
| H412 | Harmful to aquatic life with long lasting effects. |

**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.)*