

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.03.2009

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## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Qu-resin pink, dentine component (K)
- **Article number:** 540 011 61 K, 540 011 62 K
- **Application of the substance / the preparation** Repair resin.
- **Manufacturer/Supplier:**  
bredent GmbH & Co.KG  
Weißenhörner Straße 2  
89250 Senden  
Tel: +49 (0) 7309/872-0  
Fax: +49 (0) 7309/872-24
- **Further information obtainable from:**  
R & D  
e-mail: R.D@bredent.com
- **Information in case of emergency:** (001)3523233500 (24 h)

## 2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Paste of dimethacrylates, inorganic fillers, catalysts, stabilizers and pigments.

- **Dangerous components:**

|                   |  |                  |      |
|-------------------|--|------------------|------|
| EINECS: 221-359-1 | 2,2'-[(4-methylphenyl)imino]bisethanol | ☒ Xi; R 36/37/38 | ≤ 1% |
|-------------------|--|------------------|------|

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

- **General information:** No special measures required.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

## 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.

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- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
  - Pick up mechanically.
  - Dispose contaminated material as waste according to item 13.
- **Additional information:** No dangerous substances are released.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:**
  - No special measures required.
  - Keep away from heat and direct sunlight.
  - No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** Protect from heat.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from heat and direct sunlight.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
  - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - The usual precautionary measures are to be adhered to when handling chemicals.
  - Keep away from foodstuffs, beverages and feed.
  - Do not eat, drink, smoke or sniff while working.
- **Respiratory protection:** Not required.
- **Protection of hands:**
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

### · General Information

**Form:** Pasty

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|  |   |
|--|---|
| <b>Colour:</b>                                   | According to product specification            |
| <b>Odour:</b>                                    | Weak, characteristic                          |
| <b>· Change in condition</b>                     |   |
| <b>Melting point/Melting range:</b>              | Undetermined.                                 |
| <b>Boiling point/Boiling range:</b>              | Undetermined.                                 |
| <b>· Flash point:</b>                            | Not applicable.                               |
| <b>· Self-igniting:</b>                          | Product is not selfigniting.                  |
| <b>· Danger of explosion:</b>                    | Product does not present an explosion hazard. |
| <b>· Density:</b>                                | Not determined.                               |
| <b>· Solubility in / Miscibility with water:</b> | Not miscible or difficult to mix.             |
| <b>· Solvent content:</b>                        |   |
| <b>Organic solvents:</b>                         | 0.0 %   |

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions**  
No dangerous reactions known.  
Reacts with peroxides.  
Reacts with oxidizing agents.  
Exothermic polymerization.
- **Dangerous decomposition products:**  
The following may be given off during a fire:  
Carbon monoxide and carbon dioxide  
Poisonous gases/vapours  
Danger of forming toxic pyrolysis products.

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitizing effect by skin contact is possible by prolonged exposure.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### 12 Ecological information

- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.

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### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Not cured product must not be disposed off together with household waste and must not reach the sewage system.  
Smaller quantities of cured material may be disposed off together with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Non contaminated packagings may be treated like household garbage.

### 14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No

### 15 Regulatory information

- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Safety phrases:**
  - 2 Keep out of the reach of children.
  - 13 Keep away from food, drink and animal feedingstuffs.
  - 15 Keep away from heat.
  - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - 28 After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).
  - 36 Wear suitable protective clothing.

### 16 Other information

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*
- **Relevant R-phrases**  
36/37/38 Irritating to eyes, respiratory system and skin.
  - **Department issuing MSDS:** R & D
  - **Contact:** R & D
  - **\* Data compared to the previous version altered.**

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