

Printing date: 29.01.2018

Version number: 1

## 1- Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** **CarieZ**
- **Registrationnumber:** not applicable
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:** No further relevant information available.
- **Application of the substance / the mixture** Liquid for dying of carious dentine
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer, supplier:**  
DentalColors B.V.  
Kanaalstraat 235  
NL-7547 AS Enschede  
The Netherlands  
Tel: +31-(0)80 7732132  
Email: info@dentalcolors.com  
www.dentalcolors.com
- **Further information obtainable from:** manufacturer, supplier
- **1.4 Emergency telephone number:**  
**Nederland:** National Vergiftigingen Informatie Centrum (NVIC) +31 (0)30 2748888  
**Belgium:** Antigifcentrum, p/a Militair Hospitaal - Koningin Astrid +32 (0)70 245245  
**Germany:** Poison Control Center Mainz +49 (0)613119240

## 2- Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Skin Sens. 1 H317 May cause an allergic skin reaction.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
As a medical device the product is not subject to labelling regulations under 1272/2008/EC.
- **Hazard pictograms** GHS07
- **Hazard statements**  
May cause an allergic skin reaction.
- **Precautionary statements**  
Wear protective gloves / protective clothing.  
If skin irritation or rash occurs: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of water.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards** Use only for intended scope of application
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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### 3- Composition/information on ingredients

- **3.2 Chemical characterization:** Mixtures
- **Description:** Resin mixture with colouring agents

· Dangerous components:

CAS: 57-55-6 EINECS: 200-338-0	propaan-1,2-diol	Acute Tox. 4, H302	> 90%
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### 4- First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Seek medical treatment in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

### 5- Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

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## 6- Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:** Not required.
- **6.2 Environmental precautions:**  
Do not allow to enter sewers/ surface or ground water.  
Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections;** No dangerous substances are released.

## 7- Handling and storage

- **7.1 Precautions for safe handling**  
For dental use only.  
No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** See storage instructions on package
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

## 8- Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **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.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:** Protective gloves

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**9- Physical and chemical properties****· 9.1 Information on basic physical and chemical properties****· General Information****· Appearance:****Form:** Fluid**Colour:** Red**· Odour:** Characteristic**· pH-value:** Not determined.**· Change in condition:****Melting point/Melting range:** -68 °C (propaan-1,2-diol)**Boiling point/Boiling range:** 185 °C (propaan-1,2-diol)**· Flash point:** 101 °C (propaan-1,2-diol)**· Self-igniting:** 371.0 °C (propaan-1,2-diol)**· Danger of explosion:** Product does not present an explosion hazard.**· Vapour pressure:** 0.1 hPa (20°C, propaan-1,2-diol)**· Density:** Not determined.**· Solubility in / Miscibility with water:**

Fully miscible.

**· Viscosity:****Dynamic:** Not determined.**Kinematic:** Not determined.**· 9.2 Other information** No further relevant information available.**10- Stability and reactivity****· 10.1 Reactivity****· 10.2 Chemical stability****· Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**· 10.3 Possibility of hazardous reactions** No dangerous reactions known.**· 10.4 Conditions to avoid** No further relevant information available.**· 10.5 Incompatible materials:** No further relevant information available.**· 10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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## 11- Toxicological information

### · 11.1 Information on toxicological effects

#### · Acute toxicity:

#### · Primary irritant effect:

· on the skin: No irritant effect.

· on the eye: No irritating effect.

· Sensitization: Sensitization possible through skin contact.

#### · 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.

## 12- Ecological information

### · 12.1 Toxicity

· Aquatic toxicity: No further relevant information available.

· 12.2 Persistence and degradability No further relevant information available.

· 12.3 Bioaccumulative potential No further relevant information available.

· 12.4 Mobility in soil No further relevant information available.

#### · Additional ecological information:

#### · General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### · 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Other adverse effects No further relevant information available.

## 13- Disposal considerations

### · 13.1 Waste treatment methods

· Recommendation Smaller quantities can be disposed of with household waste.

#### · Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

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**14- Transport information**

<ul style="list-style-type: none"> <li>· UN-Number</li> <li>· ADR, ADN, IMDG, IATA</li> </ul>	Void
<ul style="list-style-type: none"> <li>· UN proper shipping name</li> <li>· ADR, ADN, IMDG, IATA</li> </ul>	Void
<ul style="list-style-type: none"> <li>· Transport hazard class(es)</li> <li>· ADR, ADN, IMDG, IATA</li> <li>· Class</li> </ul>	Void
<ul style="list-style-type: none"> <li>· Packing group:</li> <li>· ADR, IMDG, IATA</li> </ul>	Void
<ul style="list-style-type: none"> <li>· Environmental hazards:</li> <li>· Marine pollutant:</li> </ul>	No
<ul style="list-style-type: none"> <li>· Special precautions for user:</li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· Transport in bulk according to Annex II of MARPOL 73/78 en de IBC-code</li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· UN "Model Regulation":</li> </ul>	-

**15- Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.

**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.

- **Version: 1**
- **Relevant lines:**  
H302 Harmfull at swallowing