1 Names of Material, Preparation and Company

<table>
<thead>
<tr>
<th>trade name:</th>
<th>Cica/liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>manufacturer/supplier</td>
<td>Promedica Dental Material GmbH</td>
</tr>
<tr>
<td>address:</td>
<td>Domagkstr. 31</td>
</tr>
<tr>
<td>D - 24537 Neumünster/Germany</td>
<td></td>
</tr>
<tr>
<td>information sector:</td>
<td>Scientific Department</td>
</tr>
<tr>
<td>emergency information:</td>
<td>Scientific Department</td>
</tr>
<tr>
<td>Tel.:</td>
<td>+49-4321/54173</td>
</tr>
<tr>
<td>Fax:</td>
<td>+49-4321/51908</td>
</tr>
<tr>
<td>Tel.:</td>
<td>+49-4321/54173</td>
</tr>
<tr>
<td>emergency call:</td>
<td>+49-4321/54173</td>
</tr>
</tbody>
</table>

2 Composition/Details on Components

| preparation: | mixture of phosphoric acid, water, dyestuff and additives |
| description: | etching agent for the acid etch technique |
| hazardous ingredients: | |
| name | CAS-No. | content | danger symbol | R-categories |
| phosphoric acid | 7664-38-2 | 35-40 % | C | 34 |

3 Possible Risks

| designation of risk: | Xi, irritant |
| special details of risk (R-categories): | 36/37/38 |
| detrimental effects/symptoms: | irritant in case of eye, skin and inhalation contact |

4 First-Aid-Measures

| general information: | fresh air, in case of indisposition or nausea contact a doctor |
| after inhalation: | rinse thoroughly with plenty of water |
| after skin contact: | rinse thoroughly with water, contact a doctor |
| after eye contact: | contact immediately a physician |
| after swallowing: | material for dental or laboratory use only |

5 Fire Fighting Measures

| suitable fire extinguishing agents: | foam, carbon dioxide, powder fire extinguishers |
| unsuitable fire extinguishing agents: | water |
| particular hazards: | none |
| fire fighting protective equipment: | no data available |

6 Measures in Case of Unintended Release

| measures related to persons: | avoid eye and/or skin contact |
| environmental measures: | do not let the material get in contact with sewerage systems |
| procedures of cleaning/uptake | take up mechanically, use common absorbents |
| additional information: | none |

7 Handling and Storage

| handling: | only by qualified staff in dental offices or dental laboratories |
| instructions for safe handling: | see instructions for use |
| instructions on fire and explosion protection | no special measurements are required |
| Storage: | tightly closed at room temperature |
| demands on storerooms and containers | store in good ventilated rooms |
| indications and prohibitions of storage together with other materials: | do not store together with food |
| further details on storage conditions: | keep out of the reach of children |
8 Exposition Restriction and Personal Protective Equipment

8.1 additional information on the equipment of technical facilities: none

8.2 components with limiting values related to place of work:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>name</th>
<th>kind</th>
<th>value</th>
<th>unit</th>
</tr>
</thead>
</table>

additional information: hazards related to place of work are not known.

8.3 personal protective equipment:

- breathing protection: do not breath or inhale vapour or dust
- hand protection: use of protective gloves is recommended
- eye protection: use of protective glasses is recommended
- body protection: protective and hygiene measures: washing hands

9 Physical and Chemical Properties

9.1 appearance:

<table>
<thead>
<tr>
<th>form</th>
<th>colour</th>
<th>odour</th>
</tr>
</thead>
<tbody>
<tr>
<td>gel or liquid</td>
<td>blue</td>
<td>slightly specific</td>
</tr>
</tbody>
</table>

9.2 safety data: tested acc. to:

- pH upon delivery: 0.5 – 1.0
- pH of 10g/l H2O and 20°C: no data available
- change of state: no data available
- boiling point/area: no data available °C
- melting point/area: no data available °C
- flash point: no data available °C
- inflammability: no data available
- ignition temperature: no data available °C
- autoignition: no data available
- fire advancing properties: no data available
- explosion hazards: no data available
- explosion limits: LEL: no data available
- vapour pressure (°C): no data available
- density (°C): no data available hPa
- bulk density: no data available
- solubility in water (20°C) (°C): no data available mg/l
- in (°C): no data available mg/l
- solubility in fat: no data available
- distribution coefficient n-octanol/water: no data available
- viscosity (°C): no data available
- solvent separation test: no data available %
- solvent content: no data available %

9.3 further particulars: none

10 Stability and Reactivity

conditions to be avoided: none if used in the recommended way

materials to be avoided: strong alkaline hydroxide sol., non-noble metals

hazardous products of decomposition: none if used in the recommended way

further particulars: none
### 11. Toxicological Data

#### 11.1 toxicological Test:

- **toxicity:** no data available
- **acute toxicity:** no data available
- **LD<sub>50</sub>/LC<sub>50</sub>**:

<table>
<thead>
<tr>
<th>component</th>
<th>kind</th>
<th>value</th>
<th>species</th>
<th>method of determination</th>
</tr>
</thead>
</table>

- **specific symptoms in animal test:** no data available
- **irritant effect/corrosive action:** no data available
- **sensitization:** no data available
- **effects of repeated exposure or overexposure**
  - (subacute or chronic toxicity): no data available
- **carcinogenic and mutagenic effects hazardous to reproduction:** no data available
- **other particulars:** no data available

#### 11.2 observations relevant to classifications:

- no data available

#### 11.3 general remarks:

- during long-standing product application risks have not become known.

### 12. Ecological Data

#### 12.1 information on elimination:

- **procedure**
- **analytic method**
- **degree of elimination**
- **classification**

- **evaluation:** no data available
- **additional information:** no data available

#### 12.2 behaviour in environmental compartments:

- no data available
- **mobility and bioaccumulation potential:** no data available
- **additional information:** none

#### 12.3 environmental toxic effects:

- no data available
- **aquatic toxicity:** no data available
- **organism**
- **test period**
- **test method**
- **result**
- **assessment**

- **behaviour in sewage plants:** no data available
- **respiratory inhibition of local vitalised sludge:** no data available

#### 12.4 additional information:

- **CSB-value:** no data available
- **BSB<sub>2</sub>-value:** no data available
- **AOX-indication:** no data available

contains the following heavy metals and compounds (corresponding to guideline 76/464/EWG) according to preparation formula: none

- **general information:** none

### 13. Disposal Instructions

#### 13.1 product:

- **recommendation:** obey local and governmental regulations
- **waste category**
- **waste name**
- **accountability**

#### 13.2 uncleaned packing material:

- **recommendation:** obey local and governmental regulations
- **cleaning agents:** common cleansing agents for the laboratory

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**Trade name:** Cica/liquid
**Date:** 07.07.95/01
**Revised on:** 11/03/2011
14 Particulars on Transport

14.1 land carriage:
ADR/RID/GGV/GGS-class: 8  
warning label: C  
designation of goods: corrosive

14.2 inland transport by ship:
ADN/ADNR-class: 8  
figure/letter: 17c  
designation of goods: corrosive

14.3 see transport:
IMDG/GGV sea class: 8/III

14.4 air transport:
ICAO/IATA-class: 8  
figure/letter: 17c  
correct technical name: phosphoric acid

14.5 further particulars: No hazardous goods within the meaning of transport regulations in quantities < 100 ml

15 Regulation

15.1 marking: acc. to governmental regulations concerning declaration of dangerous chemicals a marking is prescribed

danger symbol and designation: C, corrosive  
contains: phosphoric acid

15.2 national regulations: acc. to article 10 of Directive 66/379 EEC and 67/548 EEC
restrictions of employment: none  
instructions in case of interference: none  
classification acc. VbF: not applicable  
technical instruction air: not applicable  
water pollution class: 1  
other regulations, restrictions and prohibitions: Directive 91/155 EEC; medical product acc. to 93/42 EEC (medical products).

16 Other Particulars
All information above has been given according to our present state of knowledge. It has been compiled to the best of our knowledge. The above -mentioned data do not represent a guarantee on characteristics. They only describe the safety requirements with regard to our products. They do not represent an assurance of product characteristics in the meaning of guarantees.