01. Identification of the Substance and of the Company

Product Definition
Name of Cmrce.: ConTec LC Set, light-curing adhesive
Product-Infos: ConTec LC Set, light-curing adhesive
Manufacturer: DENTAURUM GmbH & Co. KG
Turnstraße 31 D-75228 Ispringen

Information from Chemie
Emergency-Info: 07231-803-184/190

02. Composition/Information on Ingredients

Chemical Nature:
Primer and Adhesive:
Mixture of different dimethacrylates, silicates, initiators and additives.
Contains BIS-GMA, TEDMA and acetone (Primer).
Etching liquid:
Preparation on an aqueous phosphoric acid basis.

Dangerous Contents:

<table>
<thead>
<tr>
<th>CAS number/Description:</th>
<th>Concentration:</th>
<th>GS:</th>
<th>R Phrases:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-38-2 phosphoric acid</td>
<td>35-40 %</td>
<td>C</td>
<td>34</td>
</tr>
<tr>
<td>67-64-1 acetone</td>
<td>50-52 %</td>
<td>F</td>
<td>11</td>
</tr>
<tr>
<td>1565-94-2 BIS-GMA</td>
<td>17-19 %</td>
<td>Xi</td>
<td>36-38</td>
</tr>
<tr>
<td>109-16-0 TEDMA</td>
<td>22-23 %</td>
<td>Xi</td>
<td>36-38</td>
</tr>
</tbody>
</table>

03. Hazards Identification

11 Highly flammable (Primer)
34 Causes burns (Etching liquid)
36/37/38 Irritating to eyes, respiratory system and skin.
43 May cause sensitization by skin contact.

04. First-Aid Measures

- First aid measures / inhalation
  Remove the casualty into fresh air and keep him calm
  In the event of symptoms refer for medical treatment.
- First aid measures / skin contact
  In case of contact with skin wash off immediately with soap and water
- First aid measures / eye contact
  In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice
- First aid measures/ if swallowed
  Summon a doctor immediately.
  Rinse out mouth and give plenty of water to drink.
05. Fire-fighting Measures

- Suitable extinguishing materials
  foam
  dry powder
  carbon dioxide
  water spray jet
- Extinguishing media that must not be used for safety reasons
  Full water jet

06. Accidental Release Measures

- Personal precautions
  Hand protection
  eye protection
- Environmental precautions
  Do not discharge into the drains/surface waters/groundwater.
- Methods for cleaning up/taking up
  Take up residues with absorbent material
  (e.g. sand, sawdust, general-purpose binder, kieselguhr).
  Take up mechanically

07. Handling and Storage

- Advice on safe handling
  Keep the packaging shut tightly.
- Advice on protection against fire and explosion (Primer)
  Keep away from sources of ignition (Primer)
  Do not smoke (Primer)
- Requirements for storage rooms and vessels
  Keep only in original container.
- Further information on storage conditions
  Protect from light.
  Do not keep at temperatures above 30°C.

08. Exposure Controls/Personal Protection

- Hand protection
  Rubber gloves
- Eye protection
  goggles
- General protective measures
  Avoid contact with eyes and skin
- Hygiene measures
  After work-time and during work intervals the affected skin areas must be thoroughly cleaned.
  Keep away from food and drink.

Ingredients relating to Workplace-Limits to get supervised

<table>
<thead>
<tr>
<th>CAS number/Description:</th>
<th>Concentration:</th>
<th>Typ:</th>
<th>Value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1 acetone</td>
<td>-</td>
<td>MAK</td>
<td>1200,000 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>500,000 ml/m³</td>
</tr>
</tbody>
</table>
09. Physical and chemical Properties

- Form
  Liquid: Primer
  Pasty: Adhesive and Etching liquid
- Colour
  colourless: Adhesive
  blue: Etching liquid
  light yellow: Primer
- Odour
  product specific
  ester-like (Primer)
- Flash point / method: < 37,8°C (DIN 51755)

10. Stability and Reactivity

- Hazardous reactions
  Reactions with base metals, with evolution of hydrogen: Etching liquid
  Polymerisation with evolution of heat.
- Thermal decomposition / remarks
  Stable at ambient temperature.

11. Toxicological Information

- Irritant effect on skin / validation: Etching liquid
  corrosive: Etching liquid
- Irritant effect on eyes / validation: Etching liquid
  corrosive: Etching liquid
- Experiences made in practice
  Sensitization through skin contact possible.

12. Ecological Information

- General information / ecology
  Do not allow to enter soil, waterways or waste water

13. Disposal Considerations

- Disposal product
  Hardened: Can be disposed of or incinerated together with household refuse
  Non-hardened material must be treated as hazardous waste
  Waste code no. (only EC): 080409 (Primer and Adhesive), 060104 (Etching liquid)
- Disposal / contaminated packaging
  Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse
14. Transport Information

UN 1133, UN 1805
- Land transport / lorry / international / remarks
  1133 Adhesives, flash point lower than 23°C (contains acetone), 3, II, ADR
  1805 Phosphoric acid solution, 8, III, ADR
- Land transport / rail / international / remarks
  1133 Adhesives, flash point lower than 23°C (contains acetone), 3, II, RID
  1805 Phosphoric acid solution, 8, III, RID
- Marine transport / remarks
  Proper shipping name:
  Adhesives
  Phosphoric acid, solution
- Air transport / remarks
  proper shipping name:
  Adhesives
  Phosphoric acid, solution

GGVS/E-Class/Digit:   AS-No.:  180105
ADR/RID-Class/Digit:  3, II / 8, III
                      060104
ADNR-class:          Category:
IMDG/GGVSee-Ci/Digit: 3, II / 8, III
                      EmS:    F-E, S-D / F-A, S-B
MFAG:                ICAO/IATA: 3 / 8
                      PG:     II / III
15. Regulatory Information

- Labelling
  The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Hazard symbols

C Corrosive (Etching liquid)
F Highly flammable (Primer)
Xi Irritant (Primer)

R phrases

11 Highly flammable (Primer)
34 Causes burns (Etching liquid)
36/37/38 Irritating to eyes, respiratory system and skin (Primer)
43 May cause sensitization by skin contact (Primer)

S phrases

16 Keep away from sources of ignition --- No smoking (Primer)
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (Etching liquid)
29 Do not empty into drains. (Primer)
33 Take precautionary measures against static discharges (Primer)
9 Keep container in a well-ventilated place (Primer)

- Water hazard class / remarks
weakly water hazardous WGK 1

Etching Liquid Primer Primer

16. Other Information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.