primopattern LC Gel

1. Identification of the substance/mixture and of the company/undertaking

   **Product identifier**
   **Name of product** 
   primopattern LC Gel

   **Manufacturer/distributor**
   primotec - Joachim Mosch e.K.
   Tannenwaldallee 4, 61348 Bad Homburg, Deutschland
   Phone + 49 (0)6172-99770-0, Fax + 49 (0)6172- 99770-99
   E-Mail primotec@primogroup.de
   Internet www.primogroup.de

   **Advice**
   F&E
   Fax +49 (0)6172-99770-99

   **Emergency advice**
   Giftinformationszentrum Universitätsklinikum Mainz
   Phone +49 (0)6131-19240

   **Recommended intended purpose(s)**
   light curing dental resin

2. Hazards identification

   **Labelling according to 67/548/EEC or 1999/45/EC**

   **Remarks for labelling**
   The product does not require a hazard warning label in accordance with EC directives.

   **Information pertaining to special dangers for human and environment**
   no

3. Composition/information on ingredients

   **Description**
   preparation of acrylic resins, fillers and initiators

4. First aid measures

   **In case of inhalation**
   Ensure of fresh air.

   **In case of skin contact**
   In case of contact with skin wash off with soap and water.

   **In case of eye contact**
   In case of contact with eyes rinse thoroughly with water.
   Call for a doctor immediately.

   **In case of ingestion**
   Do not induce vomiting.
   Call for a doctor immediately.

   **Physician's information / possible symptoms**
   Allergic symptoms
5. Firefighting measures

**Suitable extinguishing media**
- Foam
- Dry powder
- Carbon dioxide

**Extinguishing media which must not be used for safety reasons**
- Full water jet

**Special hazards arising from the substance or mixture**
Fire gas of organic material has to be classed invariably as respiratory poison.

**Special protective equipment for fire-fighters**
Use breathing apparatus with independent air supply (isolated).

**Additional information**
Cool endangered containers with water spray jet.

6. Accidental release measures

**Personal precautions**
Ensure adequate ventilation.
Use personal protective clothing.

**Environmental precautions**
Do not discharge into the drains/surface waters/groundwater.

**Methods for cleaning up**
Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust). Disposal according to regulations.

7. Handling and storage

**Advice on safe handling**
Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

**Advice on protection against fire and explosion**
Keep away from sources of ignition - No smoking

**Requirements for storage rooms and vessels**
Keep in closed original container.

**Advice on storage compatibility**
Do not store together with food.

**Further information on storage conditions**
Store only at temperature of 30°C maximum (=86°F). Protect from light.

8. Exposure controls/personal protection

**Respiratory protection**
no

**Hand protection**
Gloves (solvent-resistant)

**Eye protection**
safety goggles

**Skin protection**
Light protective clothing.
Hygiene measures
Clean skin thoroughly after working.
Keep away from food and drink.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Colour</th>
<th>Odour</th>
</tr>
</thead>
<tbody>
<tr>
<td>gel</td>
<td>colourless</td>
<td>characteristic</td>
</tr>
</tbody>
</table>

Important health, safety and environmental information

<table>
<thead>
<tr>
<th>Value</th>
<th>Temperature at Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>&gt; 150 °C</td>
<td></td>
</tr>
<tr>
<td>Flammable solid</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Flammability (gas)</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Autoignition</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>ca. 1.1 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Solubility in water</td>
<td>more or less insoluble</td>
<td></td>
</tr>
<tr>
<td>Solubility/other</td>
<td>soluble in organic solvent</td>
<td>not determined</td>
</tr>
<tr>
<td>Partition coefficient (log pOW)</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Viscosity dynamic</td>
<td>ca. 250 Pa·s</td>
<td></td>
</tr>
</tbody>
</table>

10. Stability and reactivity

Conditions to avoid
Reactions with strong oxidising agents.
Reactions with peroxides.
Reactions with light.
Risk of polymerisation.
Reactions with alkalies.

11. Toxicological information

Acute toxicity/Irritability/Sensitization

<table>
<thead>
<tr>
<th>Value/Validation</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 acute oral</td>
<td>&gt; 2000 mg/kg</td>
<td>rat</td>
<td>OECD 401 Information concerns to main component.</td>
</tr>
<tr>
<td>Irritability skin</td>
<td>non-irritant</td>
<td>rabbit</td>
<td>OECD 404</td>
</tr>
<tr>
<td>Irritability eye</td>
<td>non-irritant</td>
<td>rabbit eye</td>
<td>OECD 405</td>
</tr>
</tbody>
</table>
12. Ecological information

General regulation
Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants. The information to ecology refers to main component.

13. Disposal considerations

<table>
<thead>
<tr>
<th>Waste code No.</th>
<th>Name of waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>07 02 08*</td>
<td>other still bottoms and reaction residues</td>
</tr>
</tbody>
</table>

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product
Can be disposed of together with household refuse after compaction in accordance with the regulations and on consultation with the disposal agency and the relevant authorities.

Recommendations for packaging
Uncontaminated packaging may be taken for recycling. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport information

Land and inland navigation transport ADR/RID
No dangerous goods as defined by these transport regulations

Transport/further information
No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

15. Regulatory information

<table>
<thead>
<tr>
<th>National regulations</th>
<th>Water hazard class</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>self-classification</td>
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</tbody>
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16. Other information

Further information
The information contained herein is based on the 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.