SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
   - Trade name: Technovit 4006 powder

1.2 Relevant identified uses of the substance or mixture and uses advised against
   No further relevant information available.

1.3 Details of the supplier of the safety data sheet
   - Manufacturer/Supplier:
     Kulzer GmbH
     Leipziger Straße 2, 63450 Hanau (Germany)
     Tel.: +49 (0)6181 9689-2570 (Wehrheim)
   - Informing department: email: technik.wehrheim@kulzer-dental.com

1.4 Emergency telephone number:
   Emergency CONTACT (24-Hour-Number): +49 (0)6132-84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   - Classification according to Regulation (EC) No 1272/2008
     The product is not classified according to the CLP regulation.

2.2 Label elements
   - Labelling according to Regulation (EC) No 1272/2008 Void
     - Hazard pictograms Void
     - Signal word Void
     - Hazard statements Void
   - Additional information:
     Contains dibenzoyl peroxide. May produce an allergic reaction.
     Safety data sheet available on request.

2.3 Other hazards
   - Results of PBT and vPvB assessment
     - PBT: Not applicable.
     - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
   - Description: Product based on methacrylate copolymers

   Dangerous components:
   - 25086-15-1 Copolymerisat Flam. Liq. 2, H225 10-25%
   - Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
   - General information No special measures required.
   - After skin contact The product is not skin irritating.
   - After eye contact Rinse opened eye for several minutes under running water.
   - After swallowing Rinse out mouth and then drink plenty of water.
     In case of persistent symptoms consult doctor.

4.2 Most important symptoms and effects, both acute and delayed
   No further relevant information available.
SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents
    CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

- 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.
  - Additional information -

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  Not required.

- 6.2 Environmental precautions: No special measures required.

- 6.3 Methods and material for containment and cleaning up: Collect mechanically.

- 6.4 Reference to other sections
  No dangerous materials are released.
  See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  No special measures required.

- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage
    - Requirements to be met by storerooms and containers: No special requirements.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions:
      - Recommended storage temperature: < 25 °C

- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.

- 8.1 Control parameters
  - Components with critical 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.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral</th>
<th>Dermal</th>
<th>Inhalative</th>
</tr>
</thead>
<tbody>
<tr>
<td>94-36-0 dibenzoyl peroxide</td>
<td>ge.pop., l.te, syst.</td>
<td>worker industri., l.te., syst.</td>
<td>worker industri., l.te., syst.</td>
</tr>
<tr>
<td></td>
<td>1.65 mg/Kg (nd)</td>
<td>6.6 mg/Kg/d (nd)</td>
<td>11.75 mg/m3 (nd)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ge.pop., l.te, syst.</td>
<td>ge.pop., l.te, syst.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.3 mg/Kg/d (nd)</td>
<td>2.9 mg/m3 (nd)</td>
</tr>
</tbody>
</table>
**Trade name: Technovit 4006 powder**

- **Additional information:** The lists that were valid during the compilation were used as basis.

### 8.2 Exposure controls
- **Personal protective equipment**
  - **General protective and hygienic measures**
    The usual precautionary measures should be adhered to in handling the chemicals.
  - **Breathing equipment:** Not required.
  - **Protection of hands:** Not required.
  - **Eye protection:** not absolutely neccessary
  - **Body protection:** Light weight protective clothing

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- **General Information**
  - **Appearance:** Powder
  - **Form:** Powder
  - **Colour:** According to product specification
  - **Smell:** Odourless
  - **Odour threshold:** Not determined.
  - **pH-value:** Not applicable.

- **Change in condition**
  - **Melting point/Melting range:** Not determined
  - **Boiling point/Boiling range:** Not determined

- **Flash point:** Not applicable

- **Inflammability (solid, gaseous)** Not determined.

- **Ignition temperature:** 400.0 °C

- **Decomposition temperature:** Not determined.

- **Self-inflammability:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive powder/air mixtures is possible.

- **Critical values for explosion:**
  - **Lower:** Not determined.
  - **Upper:** Not determined.

- **Steam pressure:** Not applicable.

- **Density** Not determined
  - **Relative density** Not determined.
  - **Vapour density** Not applicable.
  - **Evaporation rate** Not applicable.

- **Solubility in / Miscibility with**
  - **Water:** Insoluble

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**
  - **dynamic:** Not applicable.
  - **kinematic:** Not applicable.
SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
  - Conditions to be avoided: No decomposition if used and stored 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: None

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity Based on available data, the classification criteria are not met.
  - LD/LC50 values that are relevant for classification:

  94-36-0 dibenzoyl peroxide

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50 (mg/kg)</th>
<th>LC50 (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>5000</td>
<td>24300</td>
</tr>
<tr>
<td>Inhalative</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

  - Primary irritant effect:
    - Skin corrosion/irritation Based on available data, the classification criteria are not met.
    - Serious eye damage/irritation Based on available data, the classification criteria are not met.
  - Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
  - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
    - Germ cell mutagenicity Based on available data, the classification criteria are not met.
    - Carcinogenicity Based on available data, the classification criteria are not met.
    - Reproductive toxicity Based on available data, the classification criteria are not met.
  - STOT-single exposure Based on available data, the classification criteria are not met.
  - STOT-repeated exposure Based on available data, the classification criteria are not met.
  - Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity

  94-36-0 dibenzoyl peroxide

<table>
<thead>
<tr>
<th>Aquatic toxicity:</th>
<th>EC50/72h (mg/l)</th>
<th>EC50/48h (mg/l)</th>
<th>LC50/96h (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&gt;2</td>
<td>&gt;2</td>
<td>&gt;2</td>
</tr>
</tbody>
</table>

  - 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.
Trade name: Technovit 4006 powder

- Additional ecological information:
  - General notes: Do not allow undiluted product or large quantities of it to reach ground water, water bodies 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.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation
    Small quantities can be polymerized with the matching system component(s) and the cured solid material can be disposed of with the regular garbage. Larger quantities must be disposed of following the regulations of the local authorities.

- European waste catalogue
  18 01 06 chemicals consisting of or containing dangerous substances
  - Uncleaned packagings:
    - Recommendation: Packaging can be reused or recycled after cleaning.

SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, ADN, IMDG, IATA Void
- 14.2 UN proper shipping name
  - ADR, ADN, IMDG, IATA Void
- 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA Void
  - Class Void
- 14.4 Packing group
  - ADR, IMDG, IATA Void
- 14.5 Environmental hazards:
  - Marine pollutant: No
- 14.6 Special precautions for user Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.
  - Transport/Additional information: -
  - UN "Model Regulation": Void

SECTION 15: Regulatory information

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
SECTION 16: Other information
These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  - H225 Highly flammable liquid and vapour.

- Abbreviations and acronyms:
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - DNEL: Derived No-Effect Level (REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Liq. 2: Flammable liquids – Category 2

* Data compared to the previous version altered.