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

- **Product identifier**
  - **Trade name:** Optosil Comfort
  - **Relevant identified uses of the substance or mixture and uses advised against**
    No further relevant information available.
  - **Application of the substance / the mixture** Dental impression material

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Heraeus Kulzer Australia Pty Ltd
    Unit 32
    11 – 21 Underwood Rd
    HOMEBush NSW 2140
    Australia
    Tel: +61 (0) 2 9764 5222
  - **Informing department:** see above
  - **Emergency telephone number:** Emergency contact number: 13 11 26 (24 hours)

2 Hazards identification

- **Classification of the substance or mixture**
  The product is not classified according to the Globally Harmonised System (GHS).

  - **Label elements**
    - **GHS label elements** Void
    - **Hazard pictograms** Void
    - **Signal word** Void
    - **Hazard statements** Void

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

3 Composition/information on ingredients

- **Chemical characterisation:** Mixtures
  - **Description:**

<table>
<thead>
<tr>
<th>CAS:</th>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>9005-25-8</td>
<td>Starch</td>
<td>25-50%</td>
</tr>
<tr>
<td>8042-47-5</td>
<td>Petroleum</td>
<td>0-5%</td>
</tr>
</tbody>
</table>

  - **Asp. Tox. 1, H304**

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
  - **General information** No special measures required.
  - **After inhalation** Supply fresh air; consult doctor in case of symptoms.

(Contd. on page 2)
Trade name: Optosil Comfort

- After skin contact: Instantly wash with water and soap and rinse thoroughly.
- 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.
- Information for doctor
  - Most important symptoms and effects, both acute and delayed
    No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed
    No further relevant information available.

5 Firefighting measures

- Extinguishing media
  - Suitable extinguishing agents
    CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
  - Special hazards arising from the substance or mixture
    No further relevant information available.
- Advice for firefighters
  - Protective equipment: No special measures required.
  - Additional information

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Not required.
- Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up: Collect mechanically.
- Reference to other sections
  No dangerous materials are released.
  See Section 8 for information on personal protection equipment.

7 Handling and storage

- Handling
  - Precautions for safe handling
    No special measures required.
  - Information about protection against explosions and fires: No special measures required.
- 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: None.
  - Specific end use(s)
    No further relevant information available.

8 Exposure controls/personal protection

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

- Control parameters
  - Components with critical values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>9005-25-8 Starch</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NES (Australia)</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>PEL (USA)</td>
<td>15*: 5** mg/m³</td>
</tr>
<tr>
<td></td>
<td>*Total dust **Respirable fraction</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>10*: 5** mg/m³</td>
</tr>
<tr>
<td></td>
<td>*Total dust **Respirable dust</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

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

- Exposition 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:
      Check protective gloves prior to each use for their proper condition. recommended
    - Material of gloves
      The selection of the suitable gloves does not only depend on the material, but also on further
      marks of quality and varies from manufacturer to manufacturer. As the product is a preparation
      of several substances, the resistance of the glove material can not be calculated in advance
      and has therefore to be checked prior to the application.
    - Penetration time of glove material
      The exact break trough time has to be found out by the manufacturer of the protective gloves
      and has to be observed.
    - For the permanent contact of a maximum of 15 minutes gloves made of the following
      materials are suitable:
      Butyl rubber, BR
      Nitrile rubber, NBR
  - Eye protection: not absolutely necessary
  - Body protection: Light weight protective clothing

- 9 Physical and chemical properties
  - Information on basic physical and chemical properties
    - General Information
      - Appearance:
        - Form: Pasty
        - Colour: Yellow
      - Smell: Peppermint
      - Odour threshold: Not determined.
      - pH-value: Not determined.
  - Change in condition
    - Melting point/Melting range: Not determined
Trade name: Optosil Comfort

- Boiling point/Boiling range: Not determined
- Flash point: Not applicable
- Inflammability (solid, gaseous): Not applicable.
- Ignition temperature:
  - Decomposition temperature: Not determined.
- Self-inflammability: Product is not selfigniting.
- Danger of explosion: Product is not explosive.
- Critical values for explosion:
  - Lower: Not determined.
  - Upper: Not determined.
- Steam pressure: Not determined.
- Density at 20 °C: 1.13 g/cm³
  - Relative density: Not determined.
  - Vapour density: Not determined.
  - Evaporation rate: Not determined.
- Solubility in / Miscibility with:
  - Water: Not miscible or difficult to mix
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- Solvent content:
- Solids content: 62.1 %
- Other information: No further relevant information available.

10 Stability and reactivity
- Reactivity No further relevant information available.
- Chemical stability
  - Conditions to be avoided: No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions No dangerous reactions known
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: None
- Additional information: -
11 Toxicological information

- Information on toxicological effects
  - Acute toxicity
    - LD/LC50 values that are relevant for classification:
      - 8042-47-5 Petroleum
        | Route  | LD50/LC50 |
        |--------|----------|
        | Oral   | >5000 mg/kg (rat) |
        | Dermal | >2000 mg/kg (rabbit) |
  - Primary irritant effect:
    - Skin corrosion/irritation No irritant effect.
    - Serious eye damage/irritation No irritant effect.
    - Respiratory or skin sensitisation No sensitizing effect known.
  - Additional toxicological information:
    - The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.
    - When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- Toxicity
  - Aquatic toxicity:
    - 8042-47-5 Petroleum
      - LC50/96h >100 mg/l (fish)
  - Persistence and degradability No further relevant information available.
  - Behaviour in environmental systems:
    - Bioaccumulative potential No further relevant information available.
    - Mobility in soil No further relevant information available.
  - Additional ecological information:
    - General notes:
      - Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
    - Results of PBT and vPvB assessment
      - PBT: Not applicable.
      - vPvB: Not applicable.
    - Other adverse effects No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation Smaller quantities can be disposed with household garbage.
- Uncleaned packagegs:
  - Recommendation: Disposal must be made according to official regulations.
**14 Transport information**

- **UN-Number**
  - ADG, ADN, IMDG, IATA: Void
- **UN proper shipping name**
  - ADG, ADN, IMDG, IATA: Void
- **Transport hazard class(es)**
  - ADG, ADN, IMDG, IATA: Void
  - Class: Void
- **Packing group**
  - ADG, IMDG, IATA: Void
- **Environmental hazards:**
  - Marine pollutant: No
- **Special precautions for user**: Not applicable.
- **Transport in bulk according to Annex II of Marpol and the IBC Code**: Not applicable.
- **Transport/Additional information**: -
- **UN “Model Regulation”**: Void

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - GHS label elements: Void
  - Hazard pictograms: Void
  - Signal word: Void
  - Hazard statements: Void
- **Chemical safety assessment**: A Chemical Safety Assessment has not been carried out.

**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**
  - H304 May be fatal if swallowed and enters airways.
- **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
  - 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
Trade name: **Optosil Comfort**

- Asp. Tox. 1: Aspiration hazard – Category 1
  - *Data compared to the previous version altered.*