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

- **Product identifier**
  - **Trade name**: Opalescence Go™ 6% Non-PF
  - **Article number**: 1006351
  - **Index number**: SDS 436-001.01
  - **Relevant identified uses of the substance or mixture and uses advised against**
    - Professional Dental Teeth Whitening Gel
  - **Application of the substance / the mixture** Professional Dental Teeth Whitening Gel

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier**: Ultradent Products Inc.
    - 505 W. Ultradent Drive (10200 S)
    - South Jordan, UT 84095-3942
    - USA
    - onlineordersupport@ultradent.com
  - **EC Responsible Person**
    - Ultradent Products GmbH
    - Am Westhover Berg 30
    - 51149 Cologne Germany
    - Email: infoDe@ultradent.com
    - Emergency Phone: +49(0)2203-35-92-0
  - **Further information obtainable from**: Customer Service
  - **Emergency telephone number**:
    - CHEMTREC (NORTH AMERICA) :(800) 424-9300
    - (INTERNATIONAL) : +(703) 527-3887

2 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**
    - GHS07
    - Skin Irrit. 2 H315 Causes skin irritation.
    - Eye Irrit. 2 H319 Causes serious eye irritation.

- **Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**
    - The Regulation EC 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP) shall not apply to a cosmetic in the finished state used in direct physical contact with the human body according to Art. 1.5 (c). Therefore, the product is exempted from the CLP labeling requirements, and no SDS is required by Regulation 1907/2006, Art. 2 (6b), REACH. Therefore, all given data, classification, and information on this SDS are provided solely on a voluntary basis.
  - **Hazard pictograms** GHS07
  - **Signal word** Warning
  - **Hazard-determining components of labelling**: Potassium Hydroxide
  - **Hazard statements**
    - H315 Causes skin irritation.
    - H319 Causes serious eye irritation.
Trade name: Opalescence Go™ 6% Non-PF

49.4.3.1

· Precautionary statements
  P101 If medical advice is needed, have product container or label at hand.
  P102 Keep out of reach of children.
  P103 Read label before use.
  P264 Wash thoroughly after handling.
  P280 Wear protective gloves / eye protection / face protection.
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P332+P313 If skin irritation occurs: Get medical advice/attention.
  P362+P364 Take off contaminated clothing and wash it before reuse.
  P337+P313 If eye irritation persists: Get medical advice/attention.

· Additional information:
  Contains Oils, Peppermint. May produce an allergic reaction.

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

3 Composition/information on ingredients

· Chemical characterisation: Mixtures
  · Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

<table>
<thead>
<tr>
<th>CAS: 56-81-5</th>
<th>Glycerine</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 200-289-5</td>
<td>Substance with a Community workplace exposure limit</td>
</tr>
<tr>
<td></td>
<td>&gt;25-% ≤50%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 7722-84-1</th>
<th>Hydrogen Peroxide</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 231-765-0</td>
<td>Ox. Liq. 1, H271; Skin Corr. 1A, H314; Acute Tox. 4, H302; Acute Tox. 4, H332</td>
</tr>
<tr>
<td></td>
<td>&gt;2.5-% ≤6%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 1310-58-3</th>
<th>Potassium Hydroxide</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 215-181-3</td>
<td>Skin Corr. 1A, H314; Acute Tox. 4, H302</td>
</tr>
<tr>
<td></td>
<td>≤2.5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 7758-11-4</th>
<th>Dipotassium Phosphate</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 231-834-5</td>
<td>Acute Tox. 3, H331</td>
</tr>
<tr>
<td></td>
<td>≤2.5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 8006-90-4</th>
<th>Oils, Peppermint</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 282-015-4</td>
<td>Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317</td>
</tr>
<tr>
<td></td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

· 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: Immediately remove any clothing soiled by the product.
  · After inhalation:
    This product is a viscous gel, therefore chance of inhalation is extremely low. Provide fresh air. Seek medical attention if problems persist.
  · After skin contact:
    Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
  · After eye contact:
    Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  · After swallowing: If symptoms persist consult doctor.
5 Firefighting measures

- Extinguishing media
  - Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
  - Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters:
  - Protective equipment: Wear fully protective suit.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- Handling:
  - Precautions for safe handling:
    No special precautions are necessary if used correctly.
    See product labeling.
  - Information about fire - and explosion protection: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions:
    See product labelling.
    Keep container tightly sealed.
  - Specific end use(s): Professional Dental Teeth Whitening Gel

8 Exposure controls/personal protection

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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-81-5 Glycerine</td>
<td>WEL (Great Britain): Long-term value: 10 mg/m³</td>
</tr>
</tbody>
</table>
7722-84-1 Hydrogen Peroxide

<table>
<thead>
<tr>
<th>WEL (Great Britain)</th>
<th>Short-term value: 2.8 mg/m³, 2 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Long-term value: 1.4 mg/m³, 1 ppm</td>
</tr>
</tbody>
</table>

1310-58-3 Potassium Hydroxide

<table>
<thead>
<tr>
<th>WEL (Great Britain)</th>
<th>Short-term value: 2 mg/m³</th>
</tr>
</thead>
</table>

- Additional information: The lists valid during the making were used as basis.
- Exposure controls
- Personal protective equipment:
  - General protective and hygienic measures:
    - Keep away from foodstuffs, beverages and food.
    - Immediately remove all soiled and contaminated clothing.
    - Wash hands before breaks and at the end of work.
    - Avoid contact with the eyes and skin.
- Respiratory protection: Not required.
- Protection of hands:
  - Protective gloves
    - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
    - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Material of gloves
    - The selection of 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 breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - Eye protection:
    - Tightly sealed goggles
  - Body protection: Protective work clothing

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Form: Gel
    - Colour: Colourless
    - Odour: Mint
    - Odour threshold: Not determined.
  - pH-value at 20 °C: 5.2-7.2
  - Change in condition
    - Melting point/freezing point: Undetermined.
49. **4.3.1**

<table>
<thead>
<tr>
<th>Property</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>· Flash point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>· Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>· Decomposition temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Auto-ignition temperature</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>· Explosive properties</td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>· Explosion limits</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Vapour pressure</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Density:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Relative density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Vapour density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Evaporation rate</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Solubility in / Miscibility with water</td>
<td>Partly soluble.</td>
</tr>
<tr>
<td>· Partition coefficient: n-octanol/water</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Viscosity:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Dynamic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Kinematic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Solvent content</td>
<td></td>
</tr>
<tr>
<td>· Organic solvents</td>
<td>&lt;60 %</td>
</tr>
<tr>
<td>· Water</td>
<td>&lt;50 %</td>
</tr>
<tr>
<td>· VOC (EC)</td>
<td>0.00 %</td>
</tr>
<tr>
<td>· Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

10 **Stability and reactivity**

- Reactivity: Stable
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials:
  - Strong Alkalis
  - Metal Oxides
- Hazardous decomposition products: No dangerous decomposition products known.

11 **Toxicological information**

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

#### ATE (Acute Toxicity Estimates)

<table>
<thead>
<tr>
<th></th>
<th>Oral LD50</th>
<th>Oral LC50/4 h</th>
<th>Inhalative LC50/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4,415 mg/kg</td>
<td>&gt;0.336 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

#### 56-81-5 Glycerine

<table>
<thead>
<tr>
<th></th>
<th>Oral LD50</th>
<th>Oral LC50/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7,750 mg/kg (Guinea pig)</td>
<td>&gt;5,000 mg/l (Fish)</td>
</tr>
<tr>
<td>56-81-5 Glycerine</td>
<td>7,750 mg/kg (mouse)</td>
<td>&gt;5,000 mg/l (Fish)</td>
</tr>
<tr>
<td></td>
<td>5,570 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>27,000 mg/kg (rabbit)</td>
<td></td>
</tr>
<tr>
<td>7722-84-1 Hydrogen Peroxide</td>
<td>Oral LC50 Fish</td>
<td>16.4 mg/l (Fish)</td>
</tr>
<tr>
<td>1310-58-3 Potassium Hydroxide</td>
<td>Oral LD50</td>
<td>214 mg/kg (rat)</td>
</tr>
<tr>
<td>7758-11-4 Dipotassium Phosphate</td>
<td>Oral LD50</td>
<td>4,260-5,700 mg/kg (rat)</td>
</tr>
</tbody>
</table>
| 12 Ecological information

### 12 Ecological information

#### Toxicity

- **Aquatic toxicity:**
  - **56-81-5 Glycerine**
    - EC50 >10,000 mg/l (Bacteria)

---

**GB2**
Trade name: Opalescence Go™ 6% Non-PF

>10,000 mg/l (daphnia)
7722-84-1 Hydrogen Peroxide
EC50 1.38 mg/l (Algae)
2.4 mg/l (daphnia)

- **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:**
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course 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**
  Observe local, state and federal laws and regulations.
  Do not allow product to reach sewage system.
- **European waste catalogue**
  - **HP8** Corrosive
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
  - **ADR, IMDG, IATA** not regulated
- **UN proper shipping name**
  - **ADR, IMDG, IATA** not regulated
- **Transport hazard class(es)**
  - **ADR, ADN, IMDG, IATA**
    - **Class** not regulated
- **Packing group**
  - **ADR, IMDG, IATA** not regulated
- **Environmental hazards:**
  Not applicable.
- **Special precautions for user**
  Not applicable.
- **Transport in bulk according to Annex II of Marpol and the IBC Code**
  Not applicable.

(Contd. on page 8)
15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I None of the ingredients is listed.
  - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
  - Chemical safety assessment:
    The product meets the toxicological profile required for cosmetics per the EU cosmetic regulation, Regulation (EC) No. 1223/2009.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  - H271 May cause fire or explosion; strong oxidiser.
  - H302 Harmful if swallowed.
  - H304 May be fatal if swallowed and enters airways.
  - H314 Causes severe skin burns and eye damage.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H319 Causes serious eye irritation.
  - H331 Toxic if inhaled.
  - H332 Harmful if inhaled.
  - H411 Toxic to aquatic life with long lasting effects.

- Department issuing SDS: Regulatory Affairs
- Contact: Customer Service
- 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)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Ox. Liq. 1: Oxidizing liquids – Category 1
  - Acute Tox. 4: Acute toxicity – Category 4
  - Acute Tox. 3: Acute toxicity – Category 3
  - Skin Corr. 1A: Skin corrosion/irritation – Category 1A
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Asp. Tox. 1: Aspiration hazard – Category 1
  - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2