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

- **Product identifier**
  - **Trade name:** Sable™ Seek™
  - **Article number:** 11052
  - **Index number:** SDS 29-001.13
- **Relevant identified uses of the substance or mixture and uses advised against**
  - Professional Dental Caries Indicator
- **Application of the substance / the mixture**
  - Professional Dental Caries Indicator
- **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:**
  - **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**
    - GHS02 flame
    - Flam. Liq. 3 H226 Flammable liquid and vapour.
- **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 medical device in the finished state used in direct physical contact with the human body according to Art. 1.5 (d). Therefore, the product is exempted from the CLP labeling requirements, and no SDS is required by Regulation 1907/2006, Art. 2 (6c), REACH. Therefore, all given data, classification, and information on this SDS are provided solely on a voluntary basis.
  - **Hazard pictograms**
    - GHS02
  - **Signal word** Warning
  - **Hazard statements**
    - H226 Flammable liquid and vapour.
  - **Precautionary statements**
    - P101 If medical advice is needed, have product container or label at hand.
    - P102 Keep out of reach of children.

(Contd. on page 2)
Trade name: Sable™ Seek™

P103 Read label before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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:</th>
<th>Substance</th>
<th>Community workplace exposure limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-55-6</td>
<td>Propylene Glycol</td>
<td>&gt;50-&lt;100%</td>
</tr>
<tr>
<td>EINECS: 200-338-0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64-17-5</td>
<td>Ethyl Alcohol</td>
<td>≤10%</td>
</tr>
<tr>
<td>EINECS: 200-578-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dimethicone</td>
<td>≤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:
  Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms 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 swallowed in large quantities seek medical attention.
- 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, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet

(Contd. on page 3)
6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Ensure adequate ventilation
  Wear protective equipment. Keep unprotected persons away.
- 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).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
- 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: Avoid heat, sparks, and flames
  - Information about fire - and explosion protection:
    Keep ignition sources away - Do not smoke.
    Protect against electrostatic charges.
- 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 Caries Indicator

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Control parameters
  - Ingredients with limit values that require monitoring at the workplace:
    | CAS Number | Name          | WEL (Great Britain) | Long-term value | QM (m³) | ppm |
    |-------------|---------------|---------------------|-----------------|---------|-----|
    | 57-55-6     | Propylene Glycol | Long-term value: 474* 10** mg/m³, 150* ppm | *total vapour and particulates **particulates |
    | 64-17-5     | Ethyl Alcohol  | Long-term value: 1920 mg/m³, 1000 ppm |

- Additional information: The lists valid during the making were used as basis.
· Exposure controls
· Personal protective equipment:
· General protective and hygienic measures:
  Immediately remove all soiled and contaminated clothing.
  Wash hands before breaks and at the end of work.
· 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

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9 Physical and chemical properties

· Information on basic physical and chemical properties
· General Information
· Appearance:
  Form: Liquid
  Colour: Dark green
· Odour: Odourless
· Odour threshold: Not determined.
· pH-value: Not determined.

· Change in condition
  Melting point/freezing point: Undetermined.
  Initial boiling point and boiling range: Undetermined.
· Flash point: 47.5 °C
· Flammability (solid, gas): Not applicable.
· Decomposition temperature: Not determined.
· Auto-ignition temperature: Product is not selfigniting.
**Trade name: Sable™ Seek™**

### 48. Explosive properties:
- **Product** is not explosive. However, formation of explosive air/vapour mixtures are possible.

### 48.1 Explosion limits:
- **Lower:** Not determined.
- **Upper:** Not determined.

### 48.2 Vapour pressure:
- Not determined.

### 48.3 Density at 20 °C:
- 1-1.1 g/cm³

### 48.4 Relative density
- Not determined.

### 48.5 Vapour density
- Not determined.

### 48.6 Evaporation rate
- Not determined.

### 48.7 Solubility in / Miscibility with water:
- Not miscible or difficult to mix.

### 48.8 Partition coefficient: n-octanol/water:
- Not determined.

### 48.9 Viscosity:
- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

### 48.10 Solvent content:
- **Organic solvents:** < 80 %
- **Water:** < 50 %
- **VOC (EC):** < 90 %

### 48.11 Other information
- No further relevant information available.

### 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:**
  - Ignition sources
  - Heat
  - Flames
- **Incompatible materials:** No further relevant information available.
- **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:**

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>18,000 mg/kg (rabbit)</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>20,800 mg/kg (rabbit)</td>
<td></td>
</tr>
<tr>
<td>LC50 Fish</td>
<td>&gt;5,000 mg/l (Fish)</td>
<td></td>
</tr>
</tbody>
</table>

(Contd. on page 6)
48.0 64-17-5 Ethyl Alcohol

| Oral LD50 | 5,600 mg/kg (Guinea pig) |
| 3,400 mg/kg (mouse) |
| 7,060 mg/kg (rat) |
| LC50 Fish | >10,000 mg/l (Fish) |
| Inhalative LC50/4 h | 39 mg/l (mouse) |
| 20,000 mg/l (rat) |

- 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.

12 Ecological information

- Toxicity
  - Aquatic toxicity:
    - 57-55-6 Propylene Glycol
      - EC50 18,100 mg/l (Algae)
      - >100,000 mg/l (daphnia)
    - 64-17-5 Ethyl Alcohol
      - Algae Toxicity 1,000 mg/l (Algae)
  - 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 Do not allow product to reach sewage system.
- European waste catalogue
  - HP 3 Flammable
### 14 Transport information

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UN-Number</strong></td>
<td>UN1987</td>
</tr>
<tr>
<td><strong>ADR, IMDG, IATA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>UN proper shipping name</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ADR</strong></td>
<td>1987 ALCOHOLS, N.O.S. (Ethyl Alcohol)</td>
</tr>
<tr>
<td><strong>IMDG, IATA</strong></td>
<td>ALCOHOLS, N.O.S. (Ethyl Alcohol)</td>
</tr>
<tr>
<td><strong>Transport hazard class(es)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ADR, IMDG, IATA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Class</strong></td>
<td>3 Flammable liquids.</td>
</tr>
<tr>
<td><strong>Label</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ADR, IMDG, IATA</strong></td>
<td>III</td>
</tr>
<tr>
<td><strong>Environmental hazards:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Special precautions for user</strong></td>
<td>Warning: Flammable liquids.</td>
</tr>
<tr>
<td><strong>Danger code (Kemler):</strong></td>
<td>30</td>
</tr>
<tr>
<td><strong>EMS Number:</strong></td>
<td>F-E,S-D</td>
</tr>
<tr>
<td><strong>Stowage Category</strong></td>
<td>A</td>
</tr>
<tr>
<td><strong>Transport in bulk according to Annex II of Marpol and the IBC Code</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Transport/Additional information:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ADR</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Limited quantities (LQ)</strong></td>
<td>5L</td>
</tr>
<tr>
<td><strong>Exempted quantities (EQ)</strong></td>
<td>Code: E1</td>
</tr>
<tr>
<td>Maximum net quantity per inner packaging: 30 ml</td>
<td></td>
</tr>
<tr>
<td>Maximum net quantity per outer packaging: 1000 ml</td>
<td></td>
</tr>
<tr>
<td><strong>Transport category</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Tunnel restriction code</strong></td>
<td>D/E</td>
</tr>
<tr>
<td><strong>IMDG</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Limited quantities (LQ)</strong></td>
<td>5L</td>
</tr>
<tr>
<td><strong>Exempted quantities (EQ)</strong></td>
<td>Code: E1</td>
</tr>
<tr>
<td>Maximum net quantity per inner packaging: 30 ml</td>
<td></td>
</tr>
<tr>
<td>Maximum net quantity per outer packaging: 1000 ml</td>
<td></td>
</tr>
<tr>
<td><strong>UN &quot;Model Regulation&quot;:</strong></td>
<td>UN 1987 ALCOHOLS, N.O.S. (ETHYL ALCOHOL), 3, III</td>
</tr>
</tbody>
</table>
Safety data sheet  
according to 1907/2006/EC, Article 31

Trade name: Sable™ Seek™

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.
  - Seveso category P5c FLAMMABLE LIQUIDS
  - Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
  - Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
  - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
  - Chemical safety assessment:
    Device is biocompatible when used as directed by dental professionals per ISO 10993-1

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
  - H225 Highly flammable liquid and vapour.
  - H361f Suspected of damaging fertility.
  - H373 May cause damage to organs through prolonged or repeated exposure.

- 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
  - Flm. Liq. 2: Flammable liquids – Category 2
  - Flm. Liq. 3: Flammable liquids – Category 3
  - Repr. 2: Reproductive toxicity – Category 2
  - STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

GB2