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

1.1 Product identifier
- Trade name: ALVEOGYL
- Article number / formula: 283S

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: SEPTODONT.
  58 rue du Pont de Creteil
  94100 Saint Maur des Fosses
  France
  Téléphone: +33(0)149767000
  Fax: +33(0)148853401
  msds@septodont.com
  http://www.septodont.com

1.4 Emergency telephone number:
- France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59
- Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)
- EU Tel : 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Xi; Irritant
R36: Irritating to eyes.

Xi; Sensitising
R43: May cause sensitisation by skin contact.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information concerning particular hazards for human and environment:

The product has to be labelled in the latest valid version according to the calculation procedure of the "General Classification guideline for preparations of the EU".

Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)
Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 23.09.2014
Version number: 2
Revision: 23.09.2014

Trade name: ALVEOGYL

- Hazard pictograms

GHS07

- Signal word Warning

- Hazard-determining components of labelling:
  Eugenol
  (S)-p-mentha-1,8-diene

- Hazard statements
  H319 Causes serious eye irritation.
  H317 May cause an allergic skin reaction.
  H412 Harmful to aquatic life with long lasting effects.

- Precautionary statements
  P273 Avoid release to the environment.
  P280 Wear protective gloves/protective clothing/eye protection/face protection.
  P264 Wash hands thoroughly after handling.
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
  P302+P352 IF ON SKIN: Wash with plenty of water.
  P301 Dispose of contents/container in accordance with local/regional/national/international regulations.

- 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: Mixture: consisting of the following components.

<table>
<thead>
<tr>
<th>Dangerous components:</th>
<th>description</th>
<th>Qty %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 97-33-0</td>
<td>Eugenol</td>
<td>10-25%</td>
</tr>
<tr>
<td>EINECS: 202-589-1</td>
<td>Xi R36;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Xi R43</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317</td>
<td></td>
</tr>
<tr>
<td>CAS: 6485-40-1</td>
<td>l-p-mentha-(6,8-dien-2-one</td>
<td>2.5-10%</td>
</tr>
<tr>
<td>EINECS: 229-352-5</td>
<td>Xu R22</td>
<td></td>
</tr>
<tr>
<td>RTECS: OS 8650000</td>
<td>Acute Tox. 4, H302</td>
<td></td>
</tr>
<tr>
<td>CAS: 151-21-3</td>
<td>sodium dodecyl sulphate</td>
<td>≤2.5%</td>
</tr>
<tr>
<td>EINECS: 205-788-1</td>
<td>Xu R22;</td>
<td></td>
</tr>
<tr>
<td>RTECS: WT 1050000</td>
<td>Xi R38-41</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute Tox. 3, H311; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315</td>
<td></td>
</tr>
<tr>
<td>CAS: 5989-54-8</td>
<td>(S)-p-mentha-1,8-diene</td>
<td>≤2.5%</td>
</tr>
<tr>
<td>EINECS: 227-815-6</td>
<td>Xi R38;</td>
<td></td>
</tr>
<tr>
<td>Index number: 601-029-00-7</td>
<td>Xi R43;</td>
<td></td>
</tr>
<tr>
<td>RTECS: OS 88350000</td>
<td>N R50/53</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317</td>
<td></td>
</tr>
</tbody>
</table>

(Contd. of page 3)
SECTION 4: First aid measures

4.1 Description of first aid measures

General information:
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After excessive inhalation:
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient in a stable laying down side position for transportation.

After skin contact:
Immediately wash with water and soap and rinse thoroughly.

After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:
Call for a doctor immediately.

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

4.3 Indication of any immediate medical attention and special treatment needed:
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray 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.

SECTION 6: Accidental release measures

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

6.2 Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

6.4 Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
SECTION 8: Exposure controls/personal protection

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

- Control parameters

- Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>471-34-1 calcium carbonate</td>
<td>MAK (Switzerland)</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 3 a mg/m³</td>
</tr>
</tbody>
</table>

- Additional information:
  As a basis for the production of this document, the most current valid lists were used.

- Exposure controls

- Personal protective equipment:
  - General protective and hygienic measures:
    Keep away from food, beverages and petfood.
    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:
    In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- Protection of hands:

  Protective gloves

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- Gloves material:
  The selection of suitable gloves does not only depend on the material, but also on further marks of quality which may vary 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 before use.

- Eye protection:

  Safety glasses
<table>
<thead>
<tr>
<th>SECTION 9: Physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.1 Information on basic physical and chemical properties</td>
</tr>
<tr>
<td>General Information</td>
</tr>
<tr>
<td>Appearance:</td>
</tr>
<tr>
<td>Form:</td>
</tr>
<tr>
<td>Colour:</td>
</tr>
<tr>
<td>Odour:</td>
</tr>
<tr>
<td>Odour threshold:</td>
</tr>
<tr>
<td>pH-value:</td>
</tr>
<tr>
<td>Change in condition</td>
</tr>
<tr>
<td>Melting point/Melting range:</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
</tr>
<tr>
<td>Flash point:</td>
</tr>
<tr>
<td>Flammability (solid, gaseous):</td>
</tr>
<tr>
<td>Ignition temperature:</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
</tr>
<tr>
<td>Self-igniting:</td>
</tr>
<tr>
<td>Danger of explosion:</td>
</tr>
<tr>
<td>Explosion limits:</td>
</tr>
<tr>
<td>Lower:</td>
</tr>
<tr>
<td>Upper:</td>
</tr>
<tr>
<td>Vapour pressure at 20 °C:</td>
</tr>
<tr>
<td>Density:</td>
</tr>
<tr>
<td>Relative density :</td>
</tr>
<tr>
<td>Vapour density :</td>
</tr>
<tr>
<td>Evaporation rate :</td>
</tr>
<tr>
<td>Solubility in / Miscibility with water:</td>
</tr>
<tr>
<td>Segregation coefficient (n-octanol/water):</td>
</tr>
<tr>
<td>Viscosity:</td>
</tr>
<tr>
<td>Dynamic:</td>
</tr>
<tr>
<td>Kinematic:</td>
</tr>
<tr>
<td>Solvent content:</td>
</tr>
<tr>
<td>VOC (EC):</td>
</tr>
<tr>
<td>9.2 Other information:</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used 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: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity:
  - Primary irritant effect:
    - On the skin: Irritant to skin and mucous membranes.
    - On the eyes: Irritating effect.
- Sensitisation:
  - Sensitisation possible through inhalation.
  - Sensitisation possible through skin contact.
- Additional toxicological information:
  - The product shows the following hazards according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
    - Harmful
    - Irritant

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 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.
- Ecotoxicological effects:
- Remark: Harmful to fish
- Additional ecological information:
- General notes:
  - Harmful to aquatic organisms
  - Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
  - Do not allow product to reach ground water, water course or sewage system.
  - Danger to drinking water if even small quantities leak into the ground.
- 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:
  
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packaging:
  
  Recommendation: Disposal must be made according to official regulations.

  Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- 14.1 UN-Number
  
  ADR, ADN, IMDG, IATA
  
  Not classified as hazardous for transport

- 14.2 UN proper shipping name
  
  ADR, ADN, IMDG, IATA
  
  Not classified as hazardous for transport

- 14.3 Transport hazard class(es)
  
  ADR, ADN, IMDG, IATA
  
  Class
  
  Not classified as hazardous for transport

- 14.4 Packing group
  
  ADR, IMDG, IATA
  
  Not classified as hazardous for transport

- 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 MARPOL73/78 and the IBC Code
  
  Not applicable.

- UN "Model Regulation":
  
  -

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  
  No further relevant information available.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
**Safety data sheet**

**according to 1907/2006/EC, Article 31**

**Trade name:** ALVEOGYL

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- **H311** Toxic in contact with skin.
- **H315** Causes skin irritation.
- **H317** May cause an allergic skin reaction.
- **H318** Causes serious eye damage.
- **H319** Causes serious eye irritation.
- **H410** Very toxic to aquatic life with long lasting effects.
- **R10** Flammable.
- **R22** Harmful if swallowed.
- **R36** Irritating to eyes.
- **R38** Irritating to skin.
- **R41** Risk of serious damage to eyes.
- **R43** May cause sensitisation by skin contact.
- **R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**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)
- Flam. Liq. 3: Flammable liquids, Hazard Category 3
- Acute Tox. 3: Acute toxicity, Hazard Category 3
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
- Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3