SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: TempSpan® Temporary Crown and Bridge Material - Catalyst

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Main use category: Professional use
Function or use category: Dental materials.

Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier: SpofaDental a.s.
Markova 238
CZ-506 01 Jicin Czech Republic
T +420 493 583 204

Manufacturer: PENTRON CLINICAL
1717 West Collins Avenue
Orange, CA 92867, USA
T 1-800-537-7123

Contact person: safety@kerrhawe.com - tel. +41916100505 (08.00-17.00)

1.4. Emergency telephone number

Emergency number: CHEMTREC® Emergency Call Center. Emergency Telephone Number (for USA only) 001-800-424-9300 International and Maritime Telephone Number +1 (703) 527-3887

<table>
<thead>
<tr>
<th>Country</th>
<th>Organisation/Company</th>
<th>Address</th>
<th>Emergency number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gibraltar</td>
<td>GHA Call Centre</td>
<td>Harbour Views Road</td>
<td>+350 200 79700 +350 200 72266</td>
</tr>
<tr>
<td>Ireland</td>
<td>National Poisons Information Centre</td>
<td>PO Box 1297</td>
<td>+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)</td>
</tr>
<tr>
<td>Malta</td>
<td>Medicines &amp; Poisons Info Office</td>
<td>Mater Dei Hospital MSD Msida</td>
<td>+356 2545 6504</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>National Poisons Information Service (Newcastle Unit)</td>
<td>Claremont Place, Newcastle-upon-Tyne, Newcastle</td>
<td>+44 191 2606182/+44 191 2606180 24H</td>
</tr>
</tbody>
</table>

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2: H315
Eye Irrit. 2: H319
Skin Sens. 1: H317

Full text of H statements: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP): GHS07
Signal word (CLP) : Warning
Hazardous ingredients : dibenzoyl peroxide, benzoyl peroxide
Hazard statements (CLP) : H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
Precautionary statements (CLP) : P261 - Avoid breathing vapours, fume, dust.
P280 - Wear eye protection, protective gloves.
P302+P352 - IF ON SKIN: Wash with plenty of water...
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Extra phrases : The product is seen as a medical device and therefore not subject to labelling (EU-regulation 1272/2008, article 1, paragraph 5d).

2.3. Other hazards
Other hazards not contributing to the classification : None under normal conditions.
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass, oxide, chemicals</td>
<td>(CAS-No.) 85997-17-3 (EC-No.) 266-046-0 (REACH-no) 01-2119488048-29</td>
<td>60 - 100</td>
<td>Not classified</td>
</tr>
<tr>
<td>1,6-Hexanediol dimethacrylate</td>
<td>(CAS-No.) 6606-59-3 (EC-No.) 229-551-7 (REACH-no) N/A</td>
<td>7 - 13</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335</td>
</tr>
<tr>
<td>dibenzoyl peroxide, benzoyl peroxide</td>
<td>(CAS-No.) 94-36-0 (EC-No.) 202-327-6 (REACHEndex-No.) 617-008-00-0 (REACH-no) 01-2119511472-50</td>
<td>1 - 5</td>
<td>Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
First-aid measures general : If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Call a POISON CENTER/doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after skin contact : May cause an allergic skin reaction. Causes skin irritation.
Symptoms/effects after eye contact : Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically. In all cases of doubt, or when symptoms persist, seek medical attention.
SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire. Foam, carbon dioxide (CO2) and powder.
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Non flammable.
Explosion hazard: Product is not explosive.

5.3. Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers.
Protection during firefighting: Do not enter fire area without proper personal protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Avoid contact with skin and eyes. Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact. Avoid dust formation. Do not breathe dust. Do not breathe vapour.

For non-emergency personnel
Protective equipment: See Heading 8.
Emergency procedures: Evacuate unnecessary personnel.

For emergency responders
No additional information available

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment: Collect all waste in suitable and labelled containers and dispose according to local legislation.
Methods for cleaning up: Sweep or shovel into suitable containers. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation. Hose down area with water.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Precautions for safe handling: Use personal protective equipment as required. Avoid dust formation. Do not breathe dust. Do not breathe vapours.
Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep container tightly closed. Store in original container. Store in dry protected location to prevent any moisture contact. Keep cool. Protect from sunlight.
Storage temperature: 2 - 8 °C
Storage area: Store in a well-ventilated place.

7.3. Specific end use(s)
Consult the supplier for further information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Local name</th>
<th>Notes (IE)</th>
<th>OEL (8 hours ref) (mg/m³)</th>
<th>WEL TWA (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ireland</td>
<td>Local name</td>
<td>5 mg/m³</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Ireland</td>
<td>OEL (8 hours ref) (mg/m³)</td>
<td>5 mg/m³</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Ireland</td>
<td>Notes (IE)</td>
<td>Sens.</td>
<td>Sens.</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Local name</td>
<td>Dibenzoyl peroxide</td>
<td>Dibenzoyl peroxide</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>5 mg/m³</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment: Gloves.

Hand protection: Wear suitable gloves. Nitrile rubber gloves. Layer thickness: 0.09mm. Breakthrough time: >480 min. STANDARD EN 374.

Eye protection: No special eye protection equipment recommended under normal conditions of use. In case of dust production: protective goggles. STANDARD EN 166.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Not required.

Other information: Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: Solid

Appearance: Paste.

Colour: Various.

Odour: Fruity.

Odour threshold: No data available

pH: No data available

Relative evaporation rate (butylacetate=1): No data available

Melting point: No data available

Freezing point: No data available

Boiling point: No data available

Flash point: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Flammability (solid, gas): No data available

Vapour pressure: No data available

Relative vapour density at 20 °C: No data available

Relative density: No data available

Density: 1.4 g/cm³

Solubility: Poorly soluble in water.

Log Pow: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties: Product is not explosive.

Oxidising properties: Non flammable.

Explosive limits: No data available.

9.2. Other information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No polymerization.

10.4. Conditions to avoid

Keep away from heat and direct sunlight.
10.5. Incompatible materials
reducing materials, oxidizing materials, Amines.

10.6. Hazardous decomposition products
No decomposition if stored and used normally.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>dibenzoyl peroxide, benzooyl peroxide (94-36-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitisation: May cause an allergic skin reaction.
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>TempSpan® Temporary Crown and Bridge Material - Catalyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>dibenzoyl peroxide, benzooyl peroxide (94-36-0)</th>
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</thead>
<tbody>
<tr>
<td>Biodegradation</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>TempSpan® Temporary Crown and Bridge Material - Catalyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1,6-Hexanediol dimethacrylate (6606-59-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioconcentration factor (BCF REACH)</td>
</tr>
<tr>
<td>Log Pow</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>dibenzoyl peroxide, benzooyl peroxide (94-36-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioconcentration factor (BCF REACH)</td>
</tr>
<tr>
<td>Log Pow</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>TempSpan® Temporary Crown and Bridge Material - Catalyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - soil</td>
</tr>
</tbody>
</table>

12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>TempSpan® Temporary Crown and Bridge Material - Catalyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII</td>
</tr>
<tr>
<td>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII</td>
</tr>
</tbody>
</table>

12.6. Other adverse effects

<table>
<thead>
<tr>
<th>Other adverse effects</th>
<th>None to our knowledge.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional information</td>
<td>No other effects known</td>
</tr>
</tbody>
</table>

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>Regional legislation (waste)</th>
<th>Dispose of contents/container in accordance with licensed collector’s sorting instructions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste treatment methods</td>
<td>Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector’s sorting instructions.</td>
</tr>
</tbody>
</table>
Product/Packaging disposal recommendations: Dispose of contents/container to a hazardous or special waste collection point. Avoid release to the environment.

European List of Waste (LoW) code: 18 01 06* - chemicals consisting of or containing dangerous substances

SECTION 14: TRANSPORT INFORMATION
In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number
Not regulated for transport

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards
No supplementary information available

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

National regulations

15.2. Chemical safety assessment
No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

Indication of changes:
Regulatory information. Composition/information on ingredients.

<table>
<thead>
<tr>
<th></th>
<th>Classification according to Directive 67/548/EC [DSD] or 1999/45/EC [DDP]</th>
<th>Removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Classification according to Regulation (EC) No. 1272/2008 [CLP]</td>
<td>Modified</td>
</tr>
<tr>
<td>2.1</td>
<td>Labelling according to Regulation (EC) No. 1272/2008 [CLP]</td>
<td>Modified</td>
</tr>
<tr>
<td>2.2</td>
<td>Classification according to Directive 67/548/EC [DSD] or 1999/45/EC [DDP]</td>
<td>Removed</td>
</tr>
<tr>
<td>3.2</td>
<td>Composition/information on ingredients</td>
<td>Modified</td>
</tr>
</tbody>
</table>


Date of issue: 03/10/2012
Revision date: 15/04/2016
Supersedes: 30/09/2014
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Version   | 4.0                  |
| Signature | Åsebø Murel          |

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irr. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Org. Perox. B</td>
<td>Organic Peroxides, Type B</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitisation, Category 1</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation</td>
</tr>
<tr>
<td>H241</td>
<td>Heating may cause a fire or explosion.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
</tbody>
</table>

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.