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

1.1. Product Identifier
Product form: Mixture
Product Name: Microhybrid Light Cure Composite
Synonyms: Composite L/C Quick Cure, composite in Shades: C2, C1, Incisal, C3, C4, B/W, A2 Opaque, More translucent A2, A3.5, A4, B1, B2, B3, B4, D2, D3, D4

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Industrial/Professional use spec: For professional dental use only.
Use of the substance/mixture: For the use in the construction of composites.

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Septodont, Inc.
416 S. Taylor Ave.
Louisville, CO 80027
T 303-665-7535
email: usregulatoryaffairs@septodont.com
www.septodontusa.com

1.4. Emergency Telephone Number
Emergency Number: 800-424-9300 CHEMTREC; 1-703-527-3887 CHEMTREC - Outside USA

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-phrases: see section 16
Classification according to Directive 67/548/EEC or 1999/45/EC
Xi; R36/38
R43
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label Elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP): GHS07

Signal word (CLP): Warning
Hazardous ingredients: 2-Propenoic acid, 2-methyl-, (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] ester, Glass, oxide, chemicals
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 dust, mist, spray, vapours.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

09/07/2014  EN (English)
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear eye protection, protective clothing, protective gloves.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see Section 4 on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents/container according to local, regional, national, and international regulations.

2.3. Other Hazards
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification according to Directive 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass, oxide, chemicals</td>
<td>(CAS No) 65997-17-3 (EC no) 266-046-0</td>
<td>60 - 70</td>
<td>Carc. Cat. 2; R49</td>
</tr>
<tr>
<td>2-Propenoic acid, 2-methyl-, (1-methyl ethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] ester</td>
<td>(CAS No) 1565-94-2 (EC no) 216-367-7</td>
<td>15 - 25</td>
<td>Xi; R36/38 R43</td>
</tr>
<tr>
<td>2-Propenoic acid, 2-methyl-, 1,6-hexanediyl ester</td>
<td>(CAS No) 6606-59-3 (EC no) 229-551-7</td>
<td>5 - 10</td>
<td>Xi; R36/38</td>
</tr>
<tr>
<td>Silane, dichlorodimethyl-, reaction products with silica</td>
<td>(CAS No) 68611-44-9 (EC no) 271-893-4</td>
<td>1 - 5</td>
<td>T+; R26</td>
</tr>
</tbody>
</table>

<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) 65997-17-3 (EC no) 266-046-0</td>
<td>60 - 70</td>
<td>Carc. 1B, H350i</td>
</tr>
<tr>
<td>2-Propenoic acid, 2-methyl-, (1-methyl ethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] ester</td>
<td>(CAS No) 1565-94-2 (EC no) 216-367-7</td>
<td>15 - 25</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317</td>
</tr>
<tr>
<td>2-Propenoic acid, 2-methyl-, 1,6-hexanediyl ester</td>
<td>(CAS No) 6606-59-3 (EC no) 229-551-7</td>
<td>5 - 10</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Silane, dichlorodimethyl-, reaction products with silica</td>
<td>(CAS No) 68611-44-9 (EC no) 271-893-4</td>
<td>1 - 5</td>
<td>Acute Tox. 2 (Inhalation: dust, mist), H330</td>
</tr>
</tbody>
</table>

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of First Aid Measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
First-aid measures after skin contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. Seek medical attention if ill effect or irritation develops.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed
Symptoms/injuries: Exposure may produce an allergic reaction. Causes severe irritation to eyes and skin.

Symptoms/injuries after inhalation: None expected under normal conditions of use.

Symptoms/injuries after skin contact: Causes skin irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact: Causes eye irritation.

Symptoms/injuries after ingestion: May be harmful if swallowed.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If exposed or concerned, get medical advice and attention.

SECTION 5: Firefighting measures

5.1. Extinguishing Media
Suitable extinguishing media: Dry chemical powder, alcohol foam, carbon dioxide, water spray, fog.
Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture
Fire hazard: Not considered flammable but may burn at high temperatures.
Explosion hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Reactivity: No reactivity hazard.

5.3. Advice for firefighters
Precautionary measures fire: Exercise caution when fighting any chemical fire.
Firefighting instructions: Use water spray or fog for cooling exposed containers.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: Refer to Section 9 for flammability properties.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Do not get in eyes, on skin, or on clothing.

6.1.1. For non-emergency personnel
Protective equipment: Use appropriate personal protection equipment (PPE).
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

6.2. Environmental precautions
Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up
For containment: Absorb and/or contain spill with inert material, then place in suitable container.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

6.4. Reference to other sections
See heading 8, Exposure Controls and Personal Protection.
SECTION 7: Handling and storage

7.1. Precautions for safe handling
Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

7.3. Specific end use(s)
For the use in the construction of composites. For professional dental use only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Glass, oxide, chemicals (65997-17-3)</th>
<th>Limit value (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.


Hand protection: Wear chemically resistant protective gloves.
Eye protection: Chemical goggles or safety glasses.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other information: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Solid (paste)
Colour: No data available
Odour: No data available
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
Solubility: No data available
Partition coefficient: n-octanol/water: No data available
Microhybrid Light Cure Composite
Safety Data Sheet
according to Regulation (EC) No. 453/2010

Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity
No reactivity hazard.

10.2. Chemical stability
Product is stable.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

10.6. Hazardous decomposition products
Silicon oxides. Quartz (silica) will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride. Barium oxides. Oxides of boron.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified

Silane, dichlorodimethyl-, reaction products with silica (68611-44-9)
LC50 inhalation rat (mg/l) 0.477 mg/l/4h

2,6-Di-tert-butyl-p-cresol (128-37-0)

LD50 oral rat 890 mg/kg

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
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity
2,6-Di-tert-butyl-p-cresol (128-37-0)
EC50 other aquatic organisms 1 6 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)
EC50 other aquatic organisms 2 0.43 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
2,6-Di-tert-butyl-p-cresol (128-37-0)
BCF fish 1 230 - 2500
2,6-Di-tert-butyl-p-cresol (128-37-0)
Log Pow 4.17

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number
No dangerous good in sense of transport regulations

14.2. UN proper shipping name
Not applicable

14.3. Transport hazard class(es)
Not applicable

14.4. Packing group
Not applicable

14.5. Environmental hazards
Other information: No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport
Not applicable

14.6.2. Transport by sea
Not applicable

14.6.3. Air transport
No additional information available

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

15.1.1. EU-Regulations
The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

<table>
<thead>
<tr>
<th>Restrictions</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008</td>
<td>Microhybrid Light Cure Composite - 2-Propenoic acid, 2-methyl-, (1-methyl ethyldiene)bis[4,1-phenyleneoxy[2-hydroxy-3,1-propanediyl]] ester</td>
</tr>
<tr>
<td>40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.</td>
<td>Microhybrid Light Cure Composite</td>
</tr>
</tbody>
</table>

Contains no REACH candidate substance
VOC content: < 1 %
Other information, restriction and prohibition regulations

: This substance is for use in medicinal products, and as such, is exempt from REACH registration requirements.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Revision date : 09/07/2014


Full text of R-, H- and EUH-phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 2 (Inhalation:dust,mist)</th>
<th>Acute toxicity (inhalation:dust,mist) Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral), Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — AcuteHazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>Carc. 1B</td>
<td>Carcinogenicity (inhalation) Category 1B</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation — Skin, category 1</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</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>H330</td>
<td>Fatal if inhaled</td>
</tr>
<tr>
<td>H350i</td>
<td>May cause cancer by inhalation</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>R22</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>R26</td>
<td>Very toxic by inhalation</td>
</tr>
<tr>
<td>R36/38</td>
<td>Irritating to eyes and skin</td>
</tr>
<tr>
<td>R43</td>
<td>May cause sensitisation by skin contact</td>
</tr>
<tr>
<td>R49</td>
<td>May cause cancer by inhalation</td>
</tr>
<tr>
<td>R50/53</td>
<td>Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment</td>
</tr>
<tr>
<td>N</td>
<td>Dangerous for the environment</td>
</tr>
<tr>
<td>T+</td>
<td>Very toxic</td>
</tr>
<tr>
<td>Xi</td>
<td>Irritant</td>
</tr>
<tr>
<td>Xn</td>
<td>Harmful</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.