

## 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

DE Healthcare Ltd, Unit 9, Kingsthorpe Business Centre,  
 Studland Road, Kingsthorpe, Northampton NN2 6NE U.K.  
 Tel. : +44 1634 266 056 Email: info@dehpbbrand.com

REF	Description
9790457	DE Composite syringe kit
9790458	DE Composite syringe refill 4.5g A2
9790459	DE Composite syringe refill 4.5g A3
9790460	DE Composite syringe refill 4.5g A3.5
9790461	DE Composite syringe refill 4.5g B2
9790462	DE Composite syringe refill 4.5g B3
9790463	DE Composite syringe refill 4.5g C2
9790464	DE Composite syringe refill 4.5g Universal opaque

### 1.4. Emergency Telephone Number

Emergency #: Chemtrec US (800) 424-9300 EU Tel.: 112  
 International: 001 703-527-3887 Suisse: 145

## 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.

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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

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

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Glass, oxide, chemicals	(CAS No) 65997-17-3 (EC no) 266-046-0	60 - 70	Carc. 1B, H350i
2-Propenoic acid, 2-methyl-, (1-methyl ethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] ester	(CAS No) 1565-94-2 (EC no) 216-367-7	15 - 25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
2-Propenoic acid, 2-methyl-, 1,6-hexanediyl ester	(CAS No) 6606-59-3 (EC no) 229-551-7	5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Silane, dichlorodimethyl-, reaction products with silica	(CAS No) 68611-44-9 (EC no) 271-893-4	1 - 5	Acute Tox. 2 (Inhalation:dust,mist), H330

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.

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- 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.

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### 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.

Incompatible products : Strong acids. Strong bases. Strong oxidizers.

#### 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

##### Glass, oxide, chemicals (65997-17-3)

Belgium	Limit value (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
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#### 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.

Personal protective equipment : Safety glasses. Gloves. Protective clothing.



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

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

### 9.2. Other information

VOC content : < 1 %

## 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

Strong acids. Strong bases. Strong oxidizers.

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

LD50 oral rat	890 mg/kg
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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)
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EC50 other aquatic organisms 2	0.43 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
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### 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
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### 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:

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	Microhybrid Light Cure Composite - 2-Propenoic acid, 2-methyl-, (1-methyl ethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] ester
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.	Microhybrid Light Cure Composite

Contains no REACH candidate substance

VOC content : < 1 %

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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

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

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

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 1B	Carcinogenicity (inhalation) Category 1B
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H330	Fatal if inhaled
H350i	May cause cancer by inhalation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
R22	Harmful if swallowed
R26	Very toxic by inhalation
R36/38	Irritating to eyes and skin
R43	May cause sensitisation by skin contact
R49	May cause cancer by inhalation
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T+	Very toxic
Xi	Irritant
Xn	Harmful

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.*