

## Materials We Use

Note, this list is a basic summary for a caregivers convenience. Materials may change from time-to-time. For full details please refer to material data sheets available online. Bee Healthy is not responsible for any discrepancies between this list and the material data sheets.

### Fissure Sealant

#### Embrace Wetbond

Light cure pit and fissure sealant

Chemical Name	CAS	Wt. %
Uncured acrylate ester monomers	Propriety	55-60%
Silica, amorphous	112945-52-5	5 %
Sodium fluoride	7681-49-4	<2%

Note: Embrace does not contain BPA, Bisphenol A or Bis-GMA derivatives.

### Fluoride Varnish

#### Centrix Fluorodose®

Sodium fluoride cavity varnish

Ingredients	CAS Number	% by WEIGHT
Colophony	8050-09-7	50 – 70
Ethanol	64-17-5	10 – 30
Sodium Fluoride	7681-49-4	1 – 10
Flavour	Unknown	1 – 5

### White Fillings

#### Glass Ionomer

#### GC EQUIA Forte Fil

Ingredients	CAS Number	% by WEIGHT
Alumino Silicate Glass	Not listed	95
Polyacrylic Acid Powder	9003-01-4	5

#### GC Fuji Lining LC liner

CAS: 868-77-9 EINECS: 212-782-2	2-hydroxyethyl methacrylate Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	10-<25%
CAS: 1830-78-0 EINECS: 217-388-4	2-Hydroxy-1,3 dimethacryloxypropane Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	5-<10%
CAS: 72869-86-4 EINECS: 276-957-5	Urethane Dimethacrylate (UDMA) Skin Sens. 1, H317	5-<10%
CAS: 1879-09-0 EINECS: 217-533-1	6-tert-butyl-2,4-xyleneol Acute Tox. 2, H310; Acute Tox. 3, H331; STOT RE 2, H373; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Aquatic Acute 2, H401	0.1->0.2%

### Composite

#### Kerr Optibond™

Ingredients	CAS Number	% by WEIGHT
Acetone	67-64-1	30-60%
2-hydroxyethyl methacrylate	868-77-9	5-10%
Ethanol	64-17-5	5-10%
2-hydroxy-1,3-propanediyl bismethacrylate	1830-78-0	1-5%

Kerr does not use BPA in any of its formulations. Kerr uses BisGMA in their restorative materials.

#### 1. GC Gaenial Posterior

Ingredients	CAS Number	% by WEIGHT
Urethane Dimethacrylate (UDMA)	72869-86-4	10 – 15
Ytterbium trifluoride	13760-80-0	5 – 10
(octahydro-4,7-methano-1H-indenediyl) bis (methylene) bismethacrylate	43048-08-4	2.5-<5
Esterification products of 4,4'-isopropylidenediphenol. Ethoxylated and 2-methylprop-2-enoic acid	41637-38-1	1-<2.5
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	0.1-<0.2

#### 2. GC G-ænial Anterior

Ingredients	CAS Number	% by WEIGHT
Urethane Dimethacrylate	72869-86-4	10 – 25
Ytterbium trifluoride	13760-80-0	5 – 10
2,2-dimethyl-1,3-propanediyl bismethacrylate	1985-51-9	2.5 – 5
2-(2H-benzotriazol-2-yl)-p-cresol	2240-22-4	0.1-0.2

**This product does not contain BPA derivatives.**

#### 3. GC G-ænial Flo X

Ingredients	CAS Number	% by WEIGHT
Esterification products of 4,4'-isopropylidenediphenol,ethoxylated and 2- methylprop-2-enoic acid.	72869-86-4	10-25
Urethane Dimethacrylate	72869-86-4	5 – 10
2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	2.5-5
1,3,5 Triazine-2,4,6-triamine, polymer with formaldehyde	9003-08-1	0.2-0.5
6-tert-butyl-2,4-xlenol 0.1-	1879-09-0	0.1-<0.2
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	0.1-<0.2

#### 4. GC G-ænial Universal Injectable

Ingredient	CAS Number	% by WEIGHT
Esterification products of 4,4'-isopropylidenediphenol,ethoxylated and 2- methylprop-2-enoic acid.	41637-38-1	10-25
(octahydro-4,7-methano-1H-indenediyl)bis(methylene) bismethacrylate	43048-08-4	5-<10%
2,2-dimethyl-1,3-propanediyl bismethacrylate	1985-51-9	2.5-<5
Butylated hydroxytoluene	128-37- 0	0.5-<1

1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde	9003-08-1	0.2-<0.5%
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.2-<0.5
2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	0.2-<0.5
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	0.2-<0.5
Urethane Dimethacrylate (UDMA)	72869-86-4	0.2-<0.5
6-tert-butyl-2,4-xylenol	1879-09-	0.1-<0.2

GC products do not have BPA in their chemical formulation. Bis-EMA is present in 1,3 and 4

### Temporary Material

#### GC Fuji VII

Ingredients	CAS Number	% by WEIGHT
Powder: Alumino-fluoro-silicate glass	Not listed	90-100
Liquid: Polyacrylic acid	Not listed	30-40
Proprietary ingredient		10-15

#### GC Fuji II

Ingredients	CAS Number	% by WEIGHT
2-Hydroxy-1,3 dimethacryloxypropane	1830-78-0	1-5%
2-hydroxyethyl methacrylate	868-77-9	25-50%
Tartaric acid	87-69-4	5-10%
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl	72869-86-4	1-5%

### Dentsply IRM

Intermediate Restorative Material

#### IRM Powder

Ingredients	CAS No	% Weight
Zinc Oxide	1314 – 13 -2	50 - 100

Hazardous Components	CAS No	%
Zinc Oxide	1314-13-2	>than 75

#### IRM liquid

Ingredients	CAS No	% Weight
Eugenol	97-53-0	>50

### Stainless Steel Crown

Ingredients	CAS	% by Weight
Stainless Steel (includes Nickel and Chromium)	12-68-1	100

### SSC Luting Cement

#### Fuji Plus

Reinforced glass ionomer cement

#### Liquid Component

Component	CAS	%
Distilled Water	7732-18-5	20 – 30
Polyacrylic Acid	9003-01-4	20 - 30
2-Hydroxyethylmethacrylate	868-77-9	25 - 35
Urethanedimethacrylate	72869-86-4	5 - 10

#### Powder Component

Component	CAS	%
Alumino – Silicate Glass	Not Listed	95 - 100

### Local Anaesthetic

#### Lignocaine hydrochloride

Anhydrous Lignocaine Hydrochloride 20mg (R)-Adrenaline Hydrochloride 0.015mg (equivalent to 0.0125mg base) Solution for injection (local anaesthetic for dentistry)

#### Composition (1 ml solution for injection):

##### Active ingredients:

Anhydrous Lignocaine Hydrochloride 20 mg  
(R)-Adrenaline Hydrochloride 0.015 mg (equivalent to 0.0125 mg base)

##### Other ingredients:

Anhydrous Sodium Sulphite 0.6 mg (equivalent to 0.31 mg SO<sub>2</sub>)  
Sodium Chloride  
Water for injections

#### Ubistesin™

#### Composition (1 ml solution for injection):

##### Active ingredients:

Articaine hydrochloride 40 mg ( 4%)  
Adrenaline hydrochloride 0.006 mg (corresponding to 5 µg adrenaline (1/200 000

##### Other ingredients:

Sodium sulphite max. 0.6 mg (equivalent to max. 0.31 mg SO<sub>2</sub>)  
Sodium chloride, Water, Hydrochloric acid and sodium hydroxide solution for adjusting pH-value.