

*

SECTION 1: Identification of the substance/mixture and of the company/undertaking**· 1.1 Product identifier****· Trade name: ESTENIA C&B ; MODELING LIQUID****· Article number: 095-ML****· Registration number** Not applicable**· 1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· Application of the substance / the mixture Dental materials**· 1.3 Details of the supplier of the safety data sheet****· Supplier :**Kuraray Europe GmbH
Philipp-Reis-Str. 4,
65795 Hattersheim am Main
Germany

Phone: +49 (0)69 305 35 835

E-mail: dental.eu@kuraray.com

· Further information obtainable from: Supplier**· 1.4 Emergency telephone number:**

[United Kingdom] Only for NHS and other healthcare professionals; UK National Poisons Information Service (NPIS): +44 (0)344 892 0111 Ireland NPIC: +353 (0)1 809 2566

For members of Public; NHS 111 in England: 111, NHS 24 in Scotland: 111, NHS Direct in Wales: 111 or 0845 4647, Ireland NPIC: +353 (0)1 809 2166(8 am to 10 pm)

3E Company; (UK) 0 800 680 0425 (GB) +44 20 35147487 (AU) +61 2 80363166 *Kuraray Access Code: 334674

*

SECTION 2: Hazards identification**· 2.1 Classification of the substance or mixture****· Classification according to Regulation (EC) No 1272/2008**

Repr. 1B H360 May damage fertility or the unborn child.

· Additional information

Medical devices as defined in Regulation (EU) 2017/745 and which are invasive or used in direct physical contact with the human body, are exempted from the provisions of Regulation (EC) No 1272/2008 (GB CLP/GHS) usually if they are in the finished state and intended for the final user.

· 2.2 Label elements**· Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms

GHS08

· Signal word Danger**· Hazard-determining components of labelling:**

diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide

· Hazard statements

H360 May damage fertility or the unborn child.

· Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

(Contd. on page 2)

GB

Trade name: ESTENIA C&B ; MODELING LIQUID

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. of page 1)

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

*** SECTION 3: Composition/information on ingredients****· 3.2 Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 75980-60-8	diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide	 Repr. 1B, H360	< 1%
EINECS: 278-355-8			

· Other ingredients:

Hydrophobic aromatic dimethacrylate
Hydrophobic aliphatic dimethacrylate
10-Methacryloyloxydecyl dihydrogen phosphate
Urethane tetramethacrylate

*** SECTION 4: First aid measures****· 4.1 Description of first aid measures****· General information:**

Avoid contact with eyes.

Avoid contact with skin.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· 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 Extinguishing media****· Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

· **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** See Section 8.

· **6.2 Environmental precautions:** No special measures required.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

(Contd. on page 3)

GB

Trade name: ESTENIA C&B ; MODELING LIQUID

(Contd. of page 2)

Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways.

Vacuum or sweep material and place in a disposal container. Provide ventilation.

Use appropriate Personal Protective Equipment (PPE).

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

*** SECTION 7: Handling and storage****· 7.1 Precautions for safe handling**

Open and handle receptacle with care.

Avoid contact with skin and eyes. Do not swallow. Avoid generating dust. Do not breathe dust/fume/gas/mist/vapors/spray.

· Information about fire - and explosion protection: Keep respiratory protective device available.**· 7.2 Conditions for safe storage, including any incompatibilities****· Storage:**

· Requirements to be met by storerooms and receptacles: Store in a cool location (2-25°C).

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed receptacles.

· 7.3 Specific end use(s) No further relevant information available.*** SECTION 8: Exposure controls/personal protection****· 8.1 Control parameters****· Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· Additional information: The lists valid during the making were used as basis.**· 8.2 Exposure controls****· Appropriate engineering controls** No further data; see section 7.**· Personal protective equipment:****· General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

· Respiratory protection: Suitable respiratory protective device recommended.**· Hand protection**

Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies 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 prior to the

(Contd. on page 4)

GB

Trade name: ESTENIA C&B ; MODELING LIQUID

(Contd. of page 3)

application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection Safety glasses

*

SECTION 9: Physical and chemical properties**· 9.1 Information on basic physical and chemical properties**

· Physical state	Liquid
· Colour:	Colourless
· Odour:	Odourless
· Melting point/freezing point:	Not determined.
· Boiling point or initial boiling point and boiling range	Not determined.
· Flammability	Not determined.
· Lower and upper explosion limit	Not determined.
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not determined.
· Auto-ignition temperature:	Not determined.
· Decomposition temperature:	Not applicable.
· pH	Not determined.
· Kinematic viscosity	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not applicable.
· Vapour pressure:	Not determined.
· Density at 20 °C:	1.2 g/cm ³
· Relative vapour density	Not determined.
· Particle characteristics	Not applicable.

· 9.2 Other information**· Information with regard to physical hazard classes**

· Explosives	Product does not present an explosion hazard.
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

GB

(Contd. on page 5)

Trade name: ESTENIA C&B ; MODELING LIQUID

(Contd. of page 4)

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **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:** Carbon monoxide and carbon dioxide

*	SECTION 11: Toxicological information
	<ul style="list-style-type: none">· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008· Acute toxicity Based on available data, the classification criteria are not met.· Skin corrosion/irritation Based on available data, the classification criteria are not met.· Serious eye damage/irritation Based on available data, the classification criteria are not met.· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.· Germ cell mutagenicity Based on available data, the classification criteria are not met.· Carcinogenicity Based on available data, the classification criteria are not met.· Reproductive toxicity May damage fertility or the unborn child.· STOT-single exposure Based on available data, the classification criteria are not met.· STOT-repeated exposure Based on available data, the classification criteria are not met.· Aspiration hazard Based on available data, the classification criteria are not met.· 11.2 Information on other hazards· Endocrine disrupting properties None of the ingredients is listed.

*	SECTION 12: Ecological information
	<ul style="list-style-type: none">· 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.· 12.5 Results of PBT and vPvB assessment· PBT: Not applicable.· vPvB: Not applicable.· 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.· 12.7 Other adverse effects· Additional ecological information:· General notes: Not hazardous for water.

*	SECTION 13: Disposal considerations
	<ul style="list-style-type: none">· 13.1 Waste treatment methods· Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 6)

GB

Trade name: ESTENIA C&B ; MODELING LIQUID

(Contd. of page 5)

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

SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, ADN, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

- **Regulated explosives precursors**

None of the ingredients is listed.

- **Regulated poisons**

None of the ingredients is listed.

- **Reportable explosives precursors**

None of the ingredients is listed.

- **Reportable poisons**

None of the ingredients is listed.

- **Directive 94/33/EC:** Care should be taken when people under 18 handle this product.

- **Directive 94/85/EEC:** No further relevant information available.

- **Named dangerous substances - ANNEX I** None of the ingredient is listed.

- **Regulation (EU) No 649/2012**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone-depleting potential)**

None of the ingredients is listed.

(Contd. on page 7)

GB

Trade name: ESTENIA C&B ; MODELING LIQUID

(Contd. of page 6)

· Additional classification according to Decree on Hazardous Materials, Annex II:**· Substances of very high concern (SVHC) according to REACH, Article 57**

75980-60-8 | diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide

· 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.

This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· Relevant phrases

H360 May damage fertility or the unborn child.

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

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· Abbreviations and acronyms:

ELINCS: European List of Notified Chemical Substances

SVHC: Substances of Very High Concern

Repr. 1B: Reproductive toxicity – Category 1B

· * Data compared to the previous version altered.

GB