

# SAFETY DATA SHEET

## ESTELITE OMEGA

### 1. Identification

#### Product identifier

**Product name** ESTELITE OMEGA

#### Recommended use of the chemical and restrictions on use

**Restriction on use** Resin-based Dental Restorative Material. For dental professionals only.

#### Details of the supplier of the safety data sheet

**Supplier** Tokuyama Dental America, Inc.  
740 Garden View CT., Suite 200 Encinitas, CA 92024 U.S.A.  
Tel: +1-760-942-7211  
Fax: +1-760-942-7212

**Contact person** <http://www.tokuyama-dental.com/tdc/contact.htm>

**Manufacturer** Tokuyama Dental Corporation  
38-9, Taitou 1-chome, Taitou-ku, Tokyo  
110-0016, Japan  
TEL: +81-3-3835-2261  
FAX: +81-3-3835-2265

#### Emergency telephone number

**Emergency telephone** Tokuyama Dental America, Inc. Tel: +1-760-942-7211  
Days and hours of operation : 9:00-17:00(PST/PDT), Weekdays, except national holidays in US.  
Language: English only.

### 2. Hazard identification

#### Classification of the substance or mixture

**WHMIS Regulatory Status** This product has been classified according to the hazard criteria of the Hazardous Product Regulations and the SDS contains all required information.

**Physical hazards** Not Classified

**Health hazards** Skin Sens. 1 - H317

**Environmental hazards** Not Classified

#### Label elements

##### Pictogram



**Signal word** Warning

**Hazard statements** H317 May cause an allergic skin reaction.

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<b>Precautionary statements</b>	<p>P261 Avoid breathing dust.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P501 Dispose of contents/ container in accordance with local regulations.</p>
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### 3. Composition/information on ingredients

#### Mixtures

<b>2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)BIS[4,1-PHENYLENEOXY(2-HYDROXY-3,1-PROPANEDIYL)] ESTER</b> CAS number: 1565-94-2	<b>10-30%</b>
<b>2-PROPENOIC ACID, 2-METHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER</b> CAS number: 109-16-0	<b>5-10%</b>
<b>BICYCLO[2.2.1]HEPTANE-2,3-DIONE, 1,7,7-TRIMETHYL-, (±)-</b> CAS number: 10373-78-1	<b>&lt;0.1%</b>
<b>TITANIUM DIOXIDE (TiO<sub>2</sub>)</b> CAS number: 13463-67-7	<b>&lt;0.1%</b>
<b>PHENOL, 4-METHOXY-</b> CAS number: 150-76-5	<b>&lt;0.1%</b>
<b>2,6-DI-<i>t</i>-BUTYL-4-METHYLPHENOL</b> CAS number: 128-37-0	<b>&lt;0.1%</b>

**Composition comments** All percentages displayed expressed as weight/weight.

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Due to the physical nature of this product, exposure by this route is unlikely.
<b>Ingestion</b>	Try to induce vomiting. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

#### Most important symptoms and effects, both acute and delayed

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**Skin contact** Allergic rash.

### Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** Treat symptomatically.

### 5. Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Foam. Carbon dioxide or dry powder.

#### Specific hazards arising from the hazardous product

**Specific hazards** Irritating gases or vapours.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

#### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear chemical protective suit.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

#### Environmental precautions

**Environmental precautions** No specific recommendations.

#### Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

#### Reference to other sections

**Reference to other sections** For waste disposal, see Section 13.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** All handling should only take place in well-ventilated areas.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store at temperatures between 0°C/32°F and 25°C/77°F. Keep away from heat, sparks and open flame. Protect from sunlight.

#### Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure Controls/personal protection

#### Control parameters

#### Occupational exposure limits

TITANIUM DIOXIDE (TiO<sub>2</sub>)

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Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m<sup>3</sup>

A4

### PHENOL, 4-METHOXY-

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m<sup>3</sup>

### 2,6-DI-t-BUTYL-4-METHYLPHENOL

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m<sup>3</sup> inhalable fraction and vapor

A4

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

#### Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate general and local exhaust ventilation.
<b>Eye/face protection</b>	The following protection should be worn: Chemical splash goggles.
<b>Hand protection</b>	Wear protective gloves. It is recommended that chemical-resistant, impervious gloves are worn.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Paste
<b>Colour</b>	Yellow-white , Translucent Yellow
<b>Odour</b>	Not available.
<b>Odour threshold</b>	Not available.
<b>pH</b>	pH (concentrated solution): 7
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Other flammability</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	1.9
<b>Solubility(ies)</b>	Not available.

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<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidising properties</b>	Not available.
<b>Other information</b>	Not available.

### 10. Stability and reactivity

<b>Reactivity</b>	May polymerize. See the other subsections of this section for further details.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	May polymerize.
<b>Conditions to avoid</b>	Keep away from heat, sparks and open flame. Protect against direct sunlight.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Heating may generate the following products: Toxic gases or vapours.

### 11. Toxicological information

#### Information on toxicological effects

<b>Routes of exposure</b>	Skin , Eyes , Ingestion , Health effects: See section 4. Inhalation : Titanium dioxide (TiO <sub>2</sub> ) is kneaded in the product, it does not exist as respirable particles. Due to the physical nature of this product, exposure by this route is unlikely.
<b><u>Acute toxicity - oral</u></b> <b>Notes (oral LD<sub>50</sub>)</b>	Not available.
<b><u>Acute toxicity - dermal</u></b> <b>Notes (dermal LD<sub>50</sub>)</b>	Not available.
<b><u>Acute toxicity - inhalation</u></b> <b>Notes (inhalation LC<sub>50</sub>)</b>	Not available.
<b><u>Skin corrosion/irritation</u></b> <b>Skin corrosion/irritation</b>	Not available.
<b><u>Serious eye damage/irritation</u></b> <b>Serious eye damage/irritation</b>	Not available.
<b><u>Respiratory sensitization</u></b> <b>Respiratory sensitization</b>	Not available.
<b><u>Skin sensitization</u></b> <b>Skin sensitization</b>	May cause an allergic skin reaction.
<b><u>Germ cell mutagenicity</u></b>	

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<b>Genotoxicity - in vitro</b>	Not available.
<b>Genotoxicity - in vivo</b>	Not available.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Not available.
<b>IARC carcinogenicity</b>	Some of the ingredients are listed or exempt.
<b>NTP carcinogenicity</b>	Some of the ingredients are listed or exempt.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Not available.
<b>Reproductive toxicity - development</b>	Not available.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Not available.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Not available.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not available.

### Toxicological information on ingredients

#### TITANIUM DIOXIDE (TiO<sub>2</sub>)

##### Carcinogenicity

<b>IARC carcinogenicity</b>	IARC Group 2B Possibly carcinogenic to humans.
<b>NTP carcinogenicity</b>	Reasonably anticipated to be a human carcinogen.

#### 2,6-DI-t-BUTYL-4-METHYLPHENOL

##### Carcinogenicity

<b>IARC carcinogenicity</b>	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
<b>NTP carcinogenicity</b>	Reasonably anticipated to be a human carcinogen.

## 12. Ecological Information

**Toxicity** No data available.

### Ecological information on ingredients

#### 2,6-DI-t-BUTYL-4-METHYLPHENOL

##### Chronic aquatic toxicity

**M factor (chronic)** 1

### Persistence and degradability

**Persistence and degradability** No data available.

### Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

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### Mobility in soil

**Mobility** No information available.

### Other adverse effects

**Other adverse effects** Not known.

## 13. Disposal considerations

### Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## 14. Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, TDG).

### UN number

**UN No. (International)** Not applicable.

### UN proper shipping name

**Proper shipping name (International)** Not applicable.

### Transport hazard class(es)

**Transport Labels (International)** Not applicable.

### Packing group

**Packing group (International)** Not applicable.

### Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

### Special precautions for user

Not applicable.

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

## 15. Regulatory information

**Regulatory References** According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR) Hazardous Products Regulations - SOR/2015-17. Transportation of Dangerous Goods Regulations - SOR/2015-100.

## 16. Other information

**Training advice** There is a specific duty on the importer/user/distributor of the substances and mixtures to ensure that the workers have received appropriate training and refresher training.

**Revision comments** This is the first issue.

## ESTELITE OMEGA

<b>Revision date</b>	2018-06-20
<b>Revision</b>	1
<b>Hazard statements in full</b>	H317 May cause an allergic skin reaction.

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