SAFETY DATA SHEETS

This SDS packet was issued with item:

075187216

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

075185285 075185467 075187018 075187026 075187034 075187042 075187059 075187067 075187075 075187083 075187091 075187109 075187117 075187125 075187133 075187141 075187158 075187166 075187174 075187182 075187190 075187208 075187307 075187604 075187612 075187620 075187638 075187646 075187653 075187661 075187679 075187687 075187695 075187703 075187711 075187729 075187737 075187745 075187752 075187760 075187778 075187786 075187794 075187802

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

075216510

SAFETY DATA SHEET
ESTELITE Σ QUICK

1. Identification

Product identifier

Product name ESTELITE Σ QUICK

Recommended use of the chemical and restrictions on use

Application 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: (877) 378 3548 (Toll-Free)
Tel: (760)942-7211
Fax: (760)942-7212

Contact Person http://www.tokuyama-dental.com/tdc/contact.html

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
California Poison Control System - San Francisco Division
San Francisco General Hospital
Bldg 5 Rm 2A21,1001 Potrero Ave, San Francisco
Emergency telephone number: 1 800 222 1222
E-mail address: coadmin@calpoison.org
http://www.calpoison.org

National Capital Poison Center
3201 New Mexico Ave, Ste 310, Washington DC
Emergency telephone number: 1 800 222 1222
Telephone number: +1 202 362 3867
Facsimile numer: +1 202 362 8377
E-mail address: pc@poison.org
http://www.poison.org

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status This Product is Hazardous under the OSHA Hazard Communication Standard.

Physical hazards Not Classified

Health hazards Skin Sens. 1 - H317

Environmental hazards Not Classified

Label elements

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Pictogram

Signal word	Warning
Hazard statements	H317 May cause an allergic skin reaction.
Precautionary statements	P261 Avoid breathing dust. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 If on skin: Wash with plenty of water. P321 Specific treatment (see medical advice on this label). P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/ container in accordance with local regulations.
Contains	2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)BIS[4,1-PHENYLENEOXY(2-HYDROXY-3,1-PROPANEDIYL)] ESTER, TRIETHYLENE GLYCOL DIMETHACRYLATE, p-METHOXYPHENOL

3. Composition/information on ingredients

Mixtures

2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)BIS[4,1-PHENYLENEOXY(2-HYDROXY-3,1-PROPANEDIYL)] ESTER — **10-30%**

CAS number: 1565-94-2

TRIETHYLENE GLYCOL DIMETHACRYLATE — **5-10%**

CAS number: 109-16-0

2,6-DI-tert-BUTYL-p-CRESOL — **<1%**

CAS number: 128-37-0

M factor (Chronic) = 1

p-METHOXYPHENOL — **<1%**

CAS number: 150-76-5

TITANIUM DIOXIDE — **< 0.1%**

CAS number: 13463-67-7

4. First-aid measures

Description of first aid measures

General information	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once.
Ingestion	Try to induce vomiting. Get medical attention if any discomfort continues.
Skin Contact	Wash skin thoroughly with soap and water.

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Eye contact Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Most important symptoms and effects, both acute and delayed

Skin contact Allergic rash.

Indication of immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

5. Fire-fighting measures

Extinguishing media

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

Special hazards arising from the substance or mixture

Specific hazards When heated and in case of fire, irritating vapors/gases may be formed.

Hazardous combustion products No known hazardous decomposition products.

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapors.

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

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 in a cool and well-ventilated place. Store at temperatures between 0°C/25°F and 32°C/77°F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid exposure to high temperatures or direct sunlight.

Specific end uses(s)

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

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8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

2,6-DI-tert-BUTYL-p-CRESOL

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ inhalable fraction and vapor
Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ inhalable fraction and vapor
Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ inhalable fraction and vapor
A4, A4, A4

p-METHOXYPHENOL

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³

TITANIUM DIOXIDE

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³
A4, A4, A4
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.
OSHA = Occupational Safety and Health Administration.

Exposure controls

Appropriate engineering controls Provide adequate general and local exhaust ventilation.

Eye/face protection The following protection should be worn: Chemical splash goggles.

Hand protection Wear protective gloves.

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures 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. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance Paste

Color Yellow-white

Odor Not available.

Odor threshold Not available.

pH pH (concentrated solution): 7

Melting point Not available.

Initial boiling point and range Not available.

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Flash point	Not available.
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.9
Solubility(ies)	Not available.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not available.
Other information	Not available.

10. Stability and reactivity

Reactivity	May polymerize. See the other subsections of this section for further details.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Not known.
Conditions to avoid	Keep away from heat, sparks and open flame. Protect against direct sunlight.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Heating may generate the following products: Toxic gases or vapors.

11. Toxicological information

Information on toxicological effects

Routes of exposure	See section 4. Skin , Eyes , Ingestion , Inhalation

Acute toxicity - oral

Notes (oral LD_{50})	Not available.

Acute toxicity - dermal

Notes (dermal LD_{50})	Not available.

Acute toxicity - inhalation

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Notes (inhalation LC_{50})	Not available.

Skin corrosion/irritation

Skin corrosion/irritation	Not available.
Animal data	Not available.

Serious eye damage/irritation

Serious eye damage/irritation	Not available.

Respiratory sensitization

Respiratory sensitization	Not available.

Skin sensitization

Skin sensitization	Sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro	Not available.
Genotoxicity - in vivo	Not available.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	Some of the ingredients are listed or exempt.
NTP carcinogenicity	Some of the ingredients are listed or exempt.
OSHA Carcinogenicity	None of the ingredients are listed.

Reproductive toxicity

Reproductive toxicity - fertility	Not available.
Reproductive toxicity - development	Not available.

Specific target organ toxicity - single exposure

STOT - single exposure	Not available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not available.

Aspiration hazard

Aspiration hazard	Not available.

Toxicological information on ingredients.

2,6-DI-tert-BUTYL-p-CRESOL

Carcinogenicity

IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
NTP carcinogenicity	Reasonably anticipated to be a human carcinogen.
OSHA Carcinogenicity	Not listed.

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Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)	1.5

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Carcinogenicity

IARC carcinogenicity	IARC Group 2B Possibly carcinogenic to humans.
NTP carcinogenicity	Reasonably anticipated to be a human carcinogen.
OSHA Carcinogenicity	Not listed.

12. Ecological Information

Toxicity	No data available.
Acute toxicity - fish	Not available.
Acute toxicity - aquatic invertebrates	Not available.
Acute toxicity - aquatic plants	Not available.
Chronic toxicity - fish early life stage	Not available.
Short term toxicity - embryo and sac fry stages	Not available.
Chronic toxicity - aquatic invertebrates	Not available.

Persistence and degradability

Persistence and degradability	No data available.

Bioaccumulative potential

Bio-Accumulative Potential	No data available on bioaccumulation.
Partition coefficient	Not available.

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, DOT).

UN Number

Not applicable.

UN No. (IMDG)	N/A
UN No. (ICAO)	N/A
UN No. (DOT)	N/A

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UN proper shipping name

Not applicable.

Transport hazard class(es)

Not applicable.

IMDG Class Not applicable.

ICAO class/division Not applicable.

Transport labels
No transport warning sign required.

Packing group

Not applicable.

IMDG packing group Not applicable.

ICAO packing group Not applicable.

Environmental hazards

Environmentally Hazardous Substance
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 Status This Product is Hazardous under the OSHA Hazard Communication Standard.

Regulatory References 29 CFR 1910. 1200(g) Federal Regulations (OSHA Standard).

US Federal Regulations

SARA (311/312) Hazard Categories
Acute

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

TITANIUM DIOXIDE

California Directors List of Hazardous Substances

2,6-DI-tert-BUTYL-p-CRESOL

p-METHOXYPHENOL

Massachusetts "Right To Know" List

2,6-DI-tert-BUTYL-p-CRESOL

p-METHOXYPHENOL

TITANIUM DIOXIDE

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Rhode Island "Right To Know" List

2,6-DI-tert-BUTYL-p-CRESOL

p-METHOXYPHENOL

TITANIUM DIOXIDE

Minnesota "Right To Know" List

2,6-DI-tert-BUTYL-p-CRESOL

p-METHOXYPHENOL

TITANIUM DIOXIDE

New Jersey "Right To Know" List

2,6-DI-tert-BUTYL-p-CRESOL

p-METHOXYPHENOL

TITANIUM DIOXIDE

Pennsylvania "Right To Know" List

2,6-DI-tert-BUTYL-p-CRESOL

p-METHOXYPHENOL

TITANIUM DIOXIDE

16. Other information

Training advice	Ensure operatives are trained to minimize exposure. Only trained personnel should use this material.
Revision comments	Revised formulation.
Revision date	7/20/2017
Revision	2
Hazard statements in full	H317 May cause an allergic skin reaction.