# SAFETY DATA SHEET
## OMNICHROMA

## 1. Identification

**Product identifier**

**Product name**

OMNICHROMA

**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: cadmin@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 number: +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**


OMNICHROMA

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.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-PROPENOIC ACID, 2-METHYL-, 7,7,9(OR 7,9,9)-TRIMETHYL-4,13-DIOXO-3,14-DIOXA-5,12-DIAZAHexaoDECANE-1,16-DIYL ESTER</td>
<td>10-30%</td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE</td>
<td>1-5%</td>
</tr>
<tr>
<td>2,6-DI-tert-BUTYL-p-CRESOL</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>BICYCLO[2.2.1]HEPTANE-2,3-DIONE, 1,7,7-TRIMETHYL-</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>p-METHOXYPHENOL</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

CAS numbers:
- 2-PROPENOIC ACID, 2-METHYL-, 7,7,9(OR 7,9,9)-TRIMETHYL-4,13-DIOXO-3,14-DIOXA-5,12-DIAZAHexaoDECANE-1,16-DIYL ESTER: 72869-86-4
- TRIETHYLENE GLYCOL DIMETHACRYLATE: 109-16-0
- 2,6-DI-tert-BUTYL-p-CRESOL: 128-37-0
- BICYCLO[2.2.1]HEPTANE-2,3-DIONE, 1,7,7-TRIMETHYL-: 10373-78-1
- p-METHOXYPHENOL: 150-76-5

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.

Eye contact Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
OMNICHROMA

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

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

p-METHOXYPHENOL
Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³
ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.

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.

<table>
<thead>
<tr>
<th>9. Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information on basic physical and chemical properties</td>
</tr>
<tr>
<td>Appearance</td>
</tr>
<tr>
<td>Color</td>
</tr>
<tr>
<td>Odor</td>
</tr>
<tr>
<td>Odor threshold</td>
</tr>
<tr>
<td>pH</td>
</tr>
<tr>
<td>Melting point</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
</tr>
<tr>
<td>Flash point</td>
</tr>
<tr>
<td>Evaporation rate</td>
</tr>
<tr>
<td>Evaporation factor</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
</tr>
<tr>
<td>Other flammability</td>
</tr>
<tr>
<td>Vapor pressure</td>
</tr>
<tr>
<td>Vapor density</td>
</tr>
<tr>
<td>Relative density</td>
</tr>
<tr>
<td>Solubility(ies)</td>
</tr>
<tr>
<td>Partition coefficient</td>
</tr>
</tbody>
</table>
OMNICHROMA

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 | Not available. |
| Notes (oral LD₅₀) | Not available. |
| Acute toxicity - dermal | Not available. |
| Notes (dermal LD₅₀) | Not available. |
| Acute toxicity - inhalation | Not available. |
| Notes (inhalation LC₅₀) | Not available. |
| Skin corrosion/irritation | Not available. |
| Animal data | Not available. |
| Serious eye damage/irritation | Not available. |
| Respiratory sensitization | Not available. |
| Skin sensitization | Sensitizing. |
| Germ cell mutagenicity | Not available. |
| Genotoxicity - in vitro | Not available. |
| Genotoxicity - in vivo | Not available. |
OMNICHROMA

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.

12. Ecological Information

Acute aquatic toxicity
Acute toxicity - fish
Not available.

Acute toxicity - aquatic invertebrates
Not available.

Acute toxicity - aquatic plants
Not available.

Chronic aquatic toxicity
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.
OMNICHROMA

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 proper shipping name  Not applicable.
Transport hazard class(es) No transport warning sign required.
Packaging 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.
US Federal Regulations
SARA (311/312) Hazard Categories
Acute

US State Regulations
California Directors List of Hazardous Substances
2,6-DI-tert-BUTYL-p-CRESOL
OMNICHROMA

p-METHOXYPHENOL

Massachusetts "Right To Know" List
2,6-DI-tert-BUTYL-p-CRESOL
p-METHOXYPHENOL

Rhode Island "Right To Know" List
2,6-DI-tert-BUTYL-p-CRESOL
p-METHOXYPHENOL

Minnesota "Right To Know" List
2,6-DI-tert-BUTYL-p-CRESOL
p-METHOXYPHENOL

New Jersey "Right To Know" List
2,6-DI-tert-BUTYL-p-CRESOL
p-METHOXYPHENOL

Pennsylvania "Right To Know" List
2,6-DI-tert-BUTYL-p-CRESOL
p-METHOXYPHENOL

16. Other information

<table>
<thead>
<tr>
<th>Training advice</th>
<th>Ensure operatives are trained to minimize exposure. Only trained personnel should use this material.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision comments</td>
<td>This is first issue.</td>
</tr>
<tr>
<td>Revision date</td>
<td>4/1/2018</td>
</tr>
<tr>
<td>Revision</td>
<td>1</td>
</tr>
<tr>
<td>Hazard statements in full</td>
<td>H317 May cause an allergic skin reaction.</td>
</tr>
</tbody>
</table>

The information which is contained in this document is based on available data. However, as such has been obtained from various sources, including independent laboratories, it is given without warranty or representation that is complete, accurate and can be replied upon. Tokuyama Dental Corp. has not attempted to conceal in any way the deleterious aspects of the product listed herein, but makes no warranty as to such information.