

**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.  
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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](mailto: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 number: +1 202 362 8377  
E-mail address: [pc@poison.org](mailto: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**

Pictogram



<b>Signal word</b>	Warning
<b>Hazard statements</b>	H317 May cause an allergic skin reaction.
<b>Precautionary statements</b>	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**

2-PROPENOIC ACID, 2-METHYL-, 7,7,9(OR 7,9,9)- TRIMETHYL-4,13-DIOXO-3,14-DIOXA-5,12- DIAZAHEXADECANE-1,16-DIYL ESTER CAS number: 72869-86-4	10-30%
TRIETHYLENE GLYCOL DIMETHACRYLATE CAS number: 109-16-0	1-5%
2,6-DI-tert-BUTYL-p-CRESOL CAS number: 128-37-0 M factor (Chronic) = 1	<1%
BICYCLO[2.2.1]HEPTANE-2,3-DIONE, 1,7,7-TRIMETHYL- CAS number: 10373-78-1	<1%
p-METHOXYPHENOL CAS number: 150-76-5	<1%

**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>	Move affected person to fresh air at once.
<b>Ingestion</b>	Try to induce vomiting. Get medical attention if any discomfort continues.
<b>Skin Contact</b>	Wash skin thoroughly with soap and water.
<b>Eye contact</b>	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.

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.

**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/m<sup>3</sup> inhalable fraction and vapor  
A4

**p-METHOXYPHENOL**

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

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.
<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. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.

<b>9. Physical and Chemical Properties</b>
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**Information on basic physical and chemical properties**

<b>Appearance</b>	Paste
<b>Color</b>	White to slightly yellowish
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available.
<b>pH</b>	pH (concentrated solution): Not applicable.
<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>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Other flammability</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	1.8
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient</b>	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
<u>Acute toxicity - oral</u>	
Notes (oral LD <sub>50</sub> )	Not available.
<u>Acute toxicity - dermal</u>	
Notes (dermal LD <sub>50</sub> )	Not available.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC <sub>50</sub> )	Not available.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Not available.
Animal data	Not available.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Not available.
<u>Respiratory sensitization</u>	
Respiratory sensitization	Not available.
<u>Skin sensitization</u>	
Skin sensitization	Sensitizing.
<u>Germ cell mutagenicity</u>	
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.

**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.

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.

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 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

**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

<b>16. Other information</b>
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<b>Training advice</b>	Ensure operatives are trained to minimize exposure. Only trained personnel should use this material.
<b>Revision comments</b>	This is first issue.
<b>Revision date</b>	4/1/2018
<b>Revision</b>	1
<b>Hazard statements in full</b>	H317 May cause an allergic skin reaction.

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