

# Material Safety Data Sheet

according to NOHSC:2011(2003)



**Product name :** Ivoclar Vivadent Tetric  
**Statement of Hazardous Nature :** This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.  
**Revision :** 21.07.2009      **Version :** 1.0.0  
**Print date :** 21.07.2009

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## 01. Identification of substance, preparation and company

**Product name :** Ivoclar Vivadent Tetric  
**Use of the substance / preparation :** Highly dispersed hybrid composite

**Manufacturer/Supplier :** Ivoclar Vivadent AG  
**Street/P.O.Box :** Benderstrasse 2 FL-9494  
**Country code/Postal code/Town/City :** D-Schaan Fürstentum Liechtenstein  
**Telephone :** +423/235 35 35  
**Telefax :** +432/235 33 60  
**Distributor :** Ivoclar Vivadent P/L (Australia), 1-5 Overseas Drive, Noble Park North, Victoria 3174  
Phone No.: +61-3 9795 9599, Tele fax No.: +61-3 9795 9645

**Emergency information :** Poisons Information Centre: Dial 13 11 26  
24 hours a day, 7 days a week Australia wide

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## 02. Hazards identification

### Statement of Hazardous Nature

This product is not classified as: Hazardous according to criteria of National Occupational Health and Safety Commission.  
Non-Dangerous Goods according to ADG. Uncured material: Direct contact can cause eye and skin irritation. The material is contraindicated if a person is known to be allergic to any of the ingredients of the product.

### Hazard designation

Classification : Not classified  
ADG Classification: not classified  
UN Number: not classified

### Particular information pertaining specific risk for human and environment

None, if handled according to order. May cause sensitisation by skin contact with skin. Irritating to eyes, skin and mucus membranes.

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## 03. Composition/information on ingredients

Chemical characterization Paste of dimethacrylates, inorganic fillers, ytterbiumtrifluoride, initiators, stabilizers and pigments

### Hazardous components

CAS No. 1565-94-2 < 10 % Bis-GMA Xi: Irritant. R36: Irritating to eyes. R38: Irritating to skin. CAS No. 109-16-0 < 4 % Triethylene glycoldimethacrylate Xi: Irritant. R36/37/38: Irritating to eyes, respiratory system and skin. CAS No. 72869-86-4 < 8 % Urethanedimethacrylate Xi: Irritant. R36: Irritating to eyes. R38: Irritating to skin.

### Other ingredients determined not be hazardous

Uncured material: Direct contact can cause eye and skin irritation. The material is contraindicated if a person is known to be allergic to any of the ingredients of the product.

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## 04. First-aid measures

### General

Immediately remove all contaminated clothing.

### After inhalation

Let in fresh air. Call a doctor, should the air passages be affected.

### After skin contact

Flush with plenty of water. Wash thoroughly with soap and water

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## After eye contact

Flush with plenty of water (10 - 15 min.). Contact a doctor immediately.

## After ingestion

Drink plenty of water. Do not induce vomiting. Contact a doctor immediately. No hazards anticipated from swallowing small amounts incidentally

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## 05. Fire-fighting measures

### Suitable extinguishing media

Carbon dioxide. Extinguishing powder. Water fog, foam, dry chemicals. Not combustible under normal conditions. Adapt extinguishing measures to suit the environment.

### Unsuitable extinguishing media

Waterjet.

### Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

None known.

### Special protective equipment

When extinguishing fires, use breathing apparatus with an independent source of air.

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## 06. Accidental release measures

### Personal precautions

Wear suitable protective clothing, gloves and eye/face protection.

### Environmental precautions

Prevent from flowing into surface water/ground water.

### Methods for cleaning up/collecting

Take up with a mechanical source and proceed according to the waste disposal regulations.

### Additional information

Remove according to regulations. Cool containers in the vicinity of the blaze using a water spray. Clean up with absorbent material. Prevent skin and eye contact. Clean area with large amounts of water.

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## 07. Handling and storage

### Information for safe handling

Containers to be opened and handled with care. Make sure that ventilation is adequate. Only adequately trained personnel should handle this product. Keep out of reach of children. When using, do not eat, drink or smoke.

### Information about protection against explosions and fires

No anti-explosion measures necessary.

### Requirements to be met by storerooms and containers

Keep only in the original container. Store at 2-28 °C / 36-82 °F Do not store in open sunshine. Keep away from heat source. Avoid exposure to light.

### Information about separation of incompatible products

Store the foodstuffs separately.

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## 08. Exposure controls and personal protection

### Additional information about engineering measures

No particular measures required. Technical measures Provide adequate local ventilation. Control airborne concentration below the exposure guideline.

### Components with critical values that require monitoring at the workplace (exposure limits)

Dust and Vapours

Specification : TWA (AUS)

Value : MAK 0 mg/m<sup>3</sup>

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## Personal protective equipment

Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff.. Avoid contact with skin and eyes. Respiratory protection

### Respiratory protection

Provide for good ventilation.

## Hand protection

Short-term exposure (< 30 min): disposable gloves, e.g. nitrile rubber, material thickness 0.1 mm (Australian Standard 2161).  
Long-term exposure (Level 6: < 480 min): protective gloves, e.g. nitrile rubber, material thickness 0.7 mm (Australian Standard 2161).

## Eye protection

Use tightly fitting safety glasses (Australian Standard AS 1336 and AS/NZS 1337).

## Body protection

No particular measures required.

## 09. Physical and chemical properties

### Image

**Form :** Paste  
**Colour :** off-white to cream  
**Odour :** practically odourless

### Relevant safety data

|                                |              |     |                |                   |           |
|--------------------------------|--------------|-----|----------------|-------------------|-----------|
| <b>Melting point / range :</b> | ( 1013 hPa ) |     | not applicable | °C                |           |
| <b>Casting point / range :</b> | ( 1013 hPa ) | ca. | not applicable | °C                |           |
| <b>Flash point :</b>           |              |     | > 150 °C       | °C                | DIN 51755 |
| <b>Ignition temperature :</b>  |              |     | not applicable | °C                |           |
| <b>Lower explosion limit :</b> |              |     | not applicable | % b.v.            |           |
| <b>Upper explosion limit :</b> |              |     | not applicable | % b.v.            |           |
| <b>Density :</b>               | ( 20 °C )    |     | 2.26           | g/cm <sup>3</sup> |           |
| <b>Solubility in water :</b>   | ( 20 °C )    |     | < 0.1          | % b.w.            |           |
| <b>pH value :</b>              |              |     | Not determined |                   |           |

## 10. Stability and reactivity

### Conditions to avoid

None, if handled according to order.

### Materials to avoid

None known.

### Hazardous decomposition products

None if used in accordance with instructions.

## 11. Toxicological information

### Toxicological tests

non-cytotoxic, non-mutagenic, non-irritant, non-sensitizer. Mutagenicity: negative (Ames-Test, Maus Micronucleus- and Maus Lymphoma-Test) Oral LD50 for rats: > 5'000 mg/kg

### Primary irritant effect

Uncured material: prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals

### Sensitization

No data available.

### Experience on practice



