

**SAFETY DATA SHEET (GHS)**

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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE/PRODUCT AND MANUFACTURER/IMPORTER****1.1 Product identifier:-**

**Product name:** Telio CAD (Block/Disc)  
**Product number:** Void

**1.2 Other means of identification:-**

Not applicable.

**1.3 Recommended use of the chemical and restrictions on use:-**

Not applicable.

**Identified uses:**

PMMA disc for the CAD/CAM technology  
 PMMA block for the CAD/CAM technology

**1.4 Details of the manufacturer and importer:-****Manufacturer:**

Ivoclar Vivadent AG  
 Bendererstrasse 2  
 FL-9494 Schaan  
 PRINCIPALITY OF LIECHTENSTEIN

**Importer:**

Ivoclar Vivadent Pty Ltd  
 1- 5 Overseas Drive Noble Park North VIC 3174  
 Tel: + 61 3 9795 9599 Fax: + 61 3 9795 9645  
 Email: [info@ivoclarvivadent.com](mailto:info@ivoclarvivadent.com)

**1.5 Emergency phone number:**

13 11 26  
 Poisons Hotline (24 hours / 7 days)

**2. HAZARD(S) IDENTIFICATION****2.1 GHS Classification:-**

Void

**2.2 GHS Label elements, including precautionary statements:-****Hazard Pictogram:**

Void

**Signal word:**

Void

**Hazard-determining components of labelling:**

Void

**Hazard statements:**

Void

**Precautionary statements:**

Void

**2.3 Additional information: Void****Other hazards:-**

Avoid breathing sanding dust /swarf.

**Results of PBT and vPvB assessment;**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture of substances listed below with nonhazardous additions.

Description: > 98% polymethylmethacrylate

Ingredient name	CAS No.	Classification	Concentration

**4. FIRST AID MEASURES****4.1 Description of necessary first aid measures:-**

**If inhaled:**

Grinding dust: Supply fresh air; consult doctor in case of complaints

**In case of skin contact:**

Generally the product does not irritate the skin.

**In case of eye contact:**

Grinding dust: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**If swallowed:**

Grinding dust: Rinse out mouth and then drink plenty of water.

**4.2 Symptoms caused by exposure:-**

No further relevant information available

**4.3 Medical attention and special treatment:-**

No further relevant information available.

## 5. FIRE FIGHTING MEASURES

**5.1 Suitable extinguishing equipment:-**

**Suitable extinguishing media:**

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam

**Unsuitable extinguishing media:**

No further relevant information available.

**5.2 Specific hazards arising from the substance/mixture/product:-**

No further relevant information available.

**5.3 Special protective equipment and precautions for fire fighters:-**

**Special personal protective equipment:**

No further relevant information available

**Precautions:**

No further relevant information available

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:-**

Not required

**6.2 Environmental precautions:-**

Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and materials for containment and cleaning up:-**

Pick up mechanically.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling:-**

Only adequately trained personnel should handle this product.

For use in dentistry only.

**7.2 Conditions for safe storage, including any incompatibilities:-**

Store only in the original receptacle

Protect from heat and direct sunlight.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Exposure control measures:-**

**Occupational exposure limits:**

Component	CAS No.	Value	Parameters	Basis
<b>Ingredients with biological limit values:</b>				

**8.2 Biological monitoring:-**

The lists valid during the making were used as basis.

**Exposure controls / Personal protective equipment / General protective and hygienic measures:**

Usual hygienic measures for dental practice and dental laboratories.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

### 8.3 Control banding:-

Void

### 8.4 Engineering controls:-

Void

### 8.5 Individual protection measures include PPE:-

#### Eye/face protection:



#### Safety glasses

Always wear safety goggles during mechanical processing (grinding, sawing /cutting, drilling, milling). Use tightly fitting safety glasses as per Australian Standard AS 1336 and AS/NZS 1337.

#### Skin protection:



#### Protection of hands:

Protective gloves should always be worn during mechanical and thermal processing.

After use of gloves apply skin-cleaning agents and skin cosmetics.

#### · Material of gloves

Mechanical processing:

Leather gloves

Strong material gloves

#### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Respiratory protection:



Mechanical processing:

Use respiratory protective device against the effects of dust.

**Recommended filter device for short term use:** Filter P1

## 9. PHYSICAL/CHEMICAL PROPERTIES

### 9.1 Information on physical/chemical properties:-

a) **Appearance/Form:**

Solid

b) **Colour:**

According to product specification

c) **Odour:**

Odourless

d) **Odour threshold:**

Not determined.

e) **pH-value (10 g/l) at 20 °C:**

Not determined.

f) **Melting point/melting range:**

150 °C

g) **Boiling point/boiling range:**

Not determined.

h) **Flash point:**

Not determined.

i) **Ignition temperature:**

Not determined.

j) **Self-igniting:**

Product is not self-igniting.

k) **Danger of explosion:**

Not determined.

l) **Upper/lower flammability or explosive limits:**

Lower	Not determined
Upper	Not determined.

m) **Vapour pressure 20°C:**

Not determined.

n) **Density at 20°C:**

1.2 g/cm<sup>3</sup>

o) **Relative density:**

Not determined.

p) **Vapour density:**

Not applicable.

q) **Evaporation rate:**

Not applicable.

r)	<b>Solubility in/miscibility with water:</b>	Insoluble.
s)	<b>Partition coefficient: n- octanol/water:</b>	Not determined.
t)	<b>Viscosity:</b>	Dynamic   Not applicable. Kinematic   Not applicable.
u)	<b>Solids content:</b>	100.0 %

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:-

No further relevant information available.

### 10.2 Chemical stability:-

Stable under normal handling and storage conditions.

#### **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

Can decompose slowly with localised heating above 150 °C.

### 10.3 Possibility of hazardous reactions:-

No further relevant information available.

### 10.4 Conditions to avoid:-

acetone

### 10.5 Incompatible materials:-

No further relevant information available.

### 10.6 Hazardous decomposition products:-

None under normal conditions of storage and use.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:-

#### **Acute toxicity / Values relevant for classification:**

**Skin corrosion/irritation:**

No further relevant information available.

**Serious eye damage/eye irritation:**

No further relevant information available.

**Respiratory or skin sensitization:**

No further relevant information available.

**Germ cell mutagenicity:**

No further relevant information available.

**Carcinogenicity:**

No further relevant information available.

**Reproductive toxicity:**

No further relevant information available.

**Specific target organ toxicity - single exposure:**

No further relevant information available.

**Specific target organ toxicity - repeated exposure:**

No further relevant information available.

**Aspiration hazard:**

No further relevant information available.

**Additional information:**

No further relevant information available.

### 11.2 Information on possible routes of exposure:-

#### **Short Term (Acute) Exposure:**

**Swallowed:**

No further relevant information available.

**Eyes:**

No further relevant information available.

**Skin:**

No further relevant information available.

**Inhaled:**

No further relevant information available.

#### **Long Term (Chronic) Exposure:**

**Swallowed:**

No further relevant information available.

**Eyes:**

No further relevant information available.

**Skin:**

No further relevant information available.

**Inhaled:**

No further relevant information available.

### 11.3 Early onset symptoms related to exposure:-

No further relevant information available.

### 11.4 Delayed health effects from exposure:-

No further relevant information available.

### 11.5 Exposure levels and health effects:-

No further relevant information available.

### 11.6 Interactive effects:-

No further relevant information available.

- 11.7 Other:-** | No further relevant information available.
- 12. ECOLOGICAL INFORMATION**
- 12.1 Ecotoxicity:-**  
No further relevant information available.
- 12.2 Persistence/degradability:-**  
No further relevant information available.
- 12.3 Bioaccumulative potential:-**  
No further relevant information available.
- 12.4 Mobility in soil:-**  
No further relevant information available.
- 12.5 Other adverse effects:-**  
No further relevant information available.
- Additional ecological information / General notes:-**  
Generally not hazardous for water
- 12.6 Other adverse effects:-**  
No further relevant information available.
- 13. DISPOSAL CONSIDERATIONS**
- 13.1 Disposal methods:-**  
Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.  
Uncleaned packaging:  
· **Recommendation:** Disposal must be made according to official regulations.
- 14. TRANSPORT INFORMATION**
- |   |  |
|---|--|
| <b>UN number ADR / IMDG / IATA:-</b>  | Void.  |
| <b>UN proper shipping name or technical name:-</b>                              |  |
| <b>ADR:</b>   | Void.  |
| <b>IMDG, IATA:</b>  | Void.  |
| <b>Transport hazard class(es):</b>  | Void.  |
| <b>Label:</b>   | Void.  |
| <b>Packaging group:</b>   | Void.  |
| <b>Environmental hazards:</b>   | Not applicable.  |
| <b>Special precautions for user:</b>  | Not applicable.  |
| <b>Danger code:</b>   | Void.  |
| <b>EMS Number:</b>  | Void.  |
| <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b> | Not applicable.  |
| <b>Transport/Additional information:</b>  | Product is not classified as a dangerous good for transport (ADR, IMDG, IATA). |
- 15. REGULATORY INFORMATION**
- 15.1 Safety, health and environmental regulations/legislation specific for the substance/mixture/product:-**  
The product is a medical device according to the Directive 93/42/EEC.
- 15.2 Chemical safety assessment:**  
A Chemical Safety Assessment has not been carried out.
- 16. OTHER INFORMATION**
- |   |      |
|---|------|
| <b>Key to abbreviations/acronyms used in SDS:-</b>                  | Void |
| <b>Key literature references/data sources used to compile SDS:-</b> |      |
| Void  |      |

**Copyright statement:-**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:-**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

GHS: Globally Harmonised System of Classification and Labelling of Chemicals.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

Flam. Liq. 2: Flammable liquids, Hazard Category 2.

Flam. Liq. 3: Flammable liquids, Hazard Category 3.

Acute Tox. 4: Acute toxicity, Hazard Category 4.

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2.

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2.

Repr. 2: Reproductive toxicity, Hazard Category 2.

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3.

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2.

Asp. Tox. 1: Aspiration hazard, Hazard Category 1.

**\* Data compared to the previous version altered**

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