

Swiss MediTec



## Safety data sheet

(REACH regulation (EC) no. 1907/2006 - n° 453/2010)

Revision: 05.11.2015

Product name: Medi-Zirconia II Plus- Art.Nr.3085

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: Medi-Zirconia II Plus

Article number: 3085(4.2g)

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Dental Composite For dental professionals only

**1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier: **Swiss MediTec GmbH**,

Bahnhofstrasse 42, 6162 Finsterwald; Switzerland

Tel. (+)41 56 624 02 37

www.swiss-meditec.ch,

info@swiss-meditec.ch

**1.4 Emergency telephone number: (+) 41 79 482 32 98**

Organization

**Section 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Skin irritation(Category 1B), H314

Serious eye damage(Category 3), H318

Specific target organ toxicity -single exposure(Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Xi Irritant R37/38, R41

For the full text of the R-phrases mentioned in this Section, see Section 16

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008



Pictogram GHS05

Danger

Hazard statement(s)

H390 Causes skin irritation

H314 Causes serious eye damage.

Precautionary statement(s)

P280 Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338 If in eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard

Statements none

2.3 Other hazards none

**Section 3-Composition/information on ingredients****3.2 Mixture Chemical characterization: Substances****Hazardous ingredients according to Regulation (EC) No 1272/2008**

Components		
CAS-No. 1565-94-2	bisphenol A diglycidylmethacrylate Skin Irrit. 2, H315; H319	25-40%
CAS-No. 868-77-9	2-hydroxyethyl methacrylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-35%
CAS-No. 64-17-5	Ethanol . Liq. 2, H225	<10%

**Product name. Medi- Zirconia II Plus- Art.Nr. 3085**

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

**Section 4:First aid measures**

**4.1 Description of first aid measures**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed no data available**

**Section 5:Firefighting measures**

**5.1 Extinguishing media**

**5.1.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Thermal decomposition may cause toxic fumes of phosphorus oxides and /or phosphine oxide of phosphorus

**5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**5.4 Further information**

no data available

**Section 6:Accidental release measures**

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Avoid breathing dust.

For personal protection see section 8.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal see section 13.

**Section7:Handling and storage**

**7.1 Precautions for safe handling**

Avoid contact with skin and eye.

Always wash hands after handling.

For precautions see section 2.2.

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

Store in cool place.Keep container tightly closed in a dry and well-ventilated place.

**7.3 Specific end use(s)**

Dental etchant,For dental professionals only.

**Section 8:Exposure controls/personal protection**

**8.1 Control parameters**

Components with workplace control parameters

**8.2 Exposure controls**

**Product name. Medi-Zirconia IIPlus- Art.Nr.3085****Personal protection measures, such as a personal protective equipment.**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Protective gloves**

The glove material has to be impermeable and resistant to the product.

**Body Protection**

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Section9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

Appearance: Form: Yellow Odor Odour threshold:	Liquid Color Alcohol-like Not determined
Melting point: Boiling range:	-114.5 °C 78°C
Flash point:	18°C
pH-value:	>2.5
Flammability (solid, gaseous):	Not applicable
Ignition temperature:	433°C
Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.
Explosion limits:	Lower: 3.5 Vol % Upper: 15.0 Vol %
Vapor pressure at 20°C:	62 hPa

**Other information:** No further relevant information available

**Section10: Stability and reactivity****10.1 Reactivity**

no data available

**10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

no data available

**10.4 Conditions to avoid**

no data available

**10.5 Incompatible materials**

Strong acids

**Product name. Medi-Zirconia II Plus- Art.Nr. 3085**

**10.6 Hazardous decomposition products**

Other decomposition products-no data available  
In the event of fire: see section 5

**Section 11: Toxicological information**

**11.1 Information on toxicological effects**

Acute toxicity: no data available  
Skin corrosion/irritation :no data available  
Result: Irritating to skin.no data available  
(OECD Test Guideline 404)

**12-Ecological information**

**12.1 Toxicity**

**12.1.2 Mixtures**

No data available.

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available

**12.5 Results of BPT and vPvB assesment**

PBT/vPvB assesment not available as chemical safety assesment not required/Not conducted

**12.6 Other adverse effects**

No data available

**Section13: Disposal considrations**

**13.1 Waste treatment methods**

Do not pour into drain or waterways.Dispose of waste in compliance with current legislation,  
preferably via a certified company.

**Section14: Transport information**

**14.1 Exempt from transport classification and labelling.**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and  
UN proper shipping name · DOT Ethanol (<10%), mixture · TDG 1170 Ethanol (Ethyl alcohol,<10%),  
mixture · IMDG ETHANOL (Ethyl alcohol,<10%), mixture · IATA ETHANOL, mixture ICAO/IATA for air  
transport

**Section15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or  
mixture**

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

**Section16: Other information**

Full text of H-Statements referred to under sections 2 and 3.

Eye Dam.	Serious eye damage
H314	Causes skin irritation.
H318	Causes serious eye damage.
Skin Irrit.	Skin irritation

Full text of R-phrases referred to under sections 2 and 3

Xi	Irritant
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes