

Swiss MediTec



Safety data sheet

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

Revision: 05.11.2015

Product name: Medi-Zirconia II- Art.Nr.3084

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

Trade name: Medi-Zirconia II

Article number: 3084(4.2ml)

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

Dental etchant bonding For dental professionals only

1.3 Details of the supplier of the safety data sheetManufacturer/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- Art.Nr. 3084

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 II- Art.Nr.3084**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: | Liquid Color |
| Form: Yellow | Alcohol-like |
| Odor Odour threshold: | Not determined |
| Melting point: | -114.5 °C |
| Boiling range: | 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- Art.Nr. 3084

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 |