

Product name: Medi-ZOE (Liquid) - Art.Nr. 10030

Swiss MediTec



Safety data sheet

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

Version 2.1 (06/02/2014)

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Medi-ZOE (liquid)
 Article number: 10031
 CAS Number: 97-530
 EC number: 202-589-1

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

Application of the substance / For dental professionals only/To mix with Medi-ZOE powder

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Swiss MediTec,
 Gfellen POBox 513, 6162 Finsterwald; Switzerland
 Tel. (+)41 56 624 02 37
 Further information obtainable from: www.swiss-meditec.ch, info@swiss-meditec.ch

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

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Eye irritation (Category 2), H319
 Skin sensitisation (Category 1), H317
 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 R36/38, R43

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

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



GHS07



GHS08

Hazard statement(s)

H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H302 Acute oral toxicity, Category 4 (Acute Tox. 4).
 H315 Skin irritation, Category 2 (Skin Irrit. 2).
 H334 Respiratory sensitisation, Category 1 (Resp. Sens. 1).
 STOT SE 3, H335 Specific target organ toxicity (single exposure), Category 3

Precautionary statement(s)

P280 Wear protective gloves.
 P305 + P351 + P338 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Supplemental Hazard none

Statements

2.3 Other hazards none

Section 3: Composition/information on ingredients

3.1 Substances : Eugenol

CAS-No.: 97-53-0
 EC-No.: 202-589-1

Product name:Medi-ZOE (Liquid) - Art.Nr. 10030

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Eugenol CAS-No. 97-53-0 EC-No-202-589-1	Eye Irrit.2; Skin Sens.1 ; H317, H319	<=100%

Hazardous ingredients according to Directive 1999/45/EC

Component	Classification	Concentration
Eugenol CAS-No. 97-53-0 EC-No-202-589-1	Xi,R36/38-R43	<=100%

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 information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48hours after the accident.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: wash off with soap and plenty of water.Consult a physician.

After eye contact: Rinse opened eye for several minutes under running water and consult physician.

After swallowing: Never give anything by mouth to an unconscious person. Rins mouth with water.Consult a phsician

4.2 Most important symptoms and effects, both acute and delayed

The 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

Section5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

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

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary

5.4 Further information

No data available

Section6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

For personal protection see section 8.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

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

Soak up with inert absorbent material and dispose of as hazardous waste. Keep insuitable, 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 eyes. Avoid inhalation of vapour or mist.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Product name:Medi-ZOE (Liquid) - Art.Nr. 10030

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

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8-Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls 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

Face shield and safety glasses 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. The selected protective gloves have to satisfy the specifications of

EU Directive 89/686/EEC and the standard EN374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. 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.



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

9-Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form: clear, liquid Colour: light yellow
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	Melting point/range: -12 --10 °C
f) Initial boiling point and boiling range	253 °C at 1.013 hPa
g) Flash point	112 °C-closed cup
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limit	no data available
k) Auto-ignition temperature	no data available

Product name:Medi-ZOE (Liquid) - Art.Nr. 10030**9.2 Other safety information** no data available**10-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** Air
- 10.5 Incompatible materials** Strong oxidizing agents
- 10.6 Hazardous decomposition products** Other decomposition products-no data available,In the event of fire: see section 5

11-Toxicological information**11.1Information on toxicological effects****Acute toxicity**

LD50Oral-rat-> 2.000 mg/kg
(OECD Test Guideline 423)

Skin corrosion/irritation

Skin-rabbit

Result: No skin irritation

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes-rabbit

Result: Irritating to eyes.

(OECD Test Guideline 405)

Respiratory or skin sensitisation

in vivo assay-mouse

May cause allergic skin reaction.

(OECD Test Guideline 429)

Section12:Ecological information**12.1Toxicity****Toxicity to fish**

LC50-Danio rerio (zebra fish)-13 mg/l-96 h
(OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

EC50-Daphnia-1,13 mg/l-48 h

12.2 Persistence and degradability

Biodegradability Result: -
(Directive 67/548/EEC Annex V, C.4.E.)

Readily biodegradable.

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessmentPBT/vPvB

safety assessment not required

Assessment not available as chemical

12.6 Other adverse effectsToxic to aquatic life.

no data available

13-Disposal considerations**13.1 Waste treatment methods****Product**

Deliver non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14-Transport information**14.1 UN number**

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4Packaging group

Product name:Medi-ZOE (Liquid) - Art.Nr. 10030

	ADR/RID: -	IMDG: -	IATA: -
14.5 Environmental hazards			
	ADR/RID: no	IMDGMarine pollutant: no	IATA: no
14.6 Special precautions for user	no data available		

Section15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

no data available

SAFETY DATA SHEET (REACH regulation (EC) n° 1907/2006 - n° 453/2010)

Page 5/5

Product name:Medi-ZOE (Liquid) - Art.Nr. 10030**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 Irrit.	Eye irritation
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
Skin Sens.	Skin sensitisation

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

Xi	Irritant
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.