

EU Safety Data Sheet

Systemp.desensitizer



Date of issue / Reference

18.03.2005 hot

Replaces version of

18.01.2001

Date of printing

18.03.2005 **Sheet No. 1367**

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Company

Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Principality of Liechtenstein

1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **Systemp.desensitizer**
- 1.2 Application / Use Desensitizer
- 1.3 Producer Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Fürstentum Liechtenstein
- 1.4 Supplier
- 1.5 TOX emergency number Emergency-Call: +423 / 235 35 35 or 373 40 40
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

2 Composition

- 2.1 Chemical characterization Mixture of water, glutaraldehyde, maleic acid and polyethyleneglycoldimethacrylate
- 2.2 Hazardous components
- | | |
|------------------|---------------------|
| CAS No. 110-16-7 | < 0.1 % Maleic acid |
| CAS No. 111-30-8 | 5 % Glutaraldehyde |
- 2.3 Further information None.

3 Hazards identification

Risk of serious damage to eyes. Harmful by inhalation and if swallowed. Irritating to respiratory system and skin. May cause sensitization by inhalation and in skin contact.

4 First aid measures

- 4.1 Eye contact Flush eyes with plenty of water. Consult a physician or transport to emergency facility immediately.
- 4.2 Skin contact Wash thoroughly with soap and water.
- 4.3 Ingestion After ingestion call a physician immediately and show this safety data sheet. Give large amounts of water.
- 4.4 Inhalation Take into fresh air.
- 4.5 Further information Remove contaminated clothing.

5 Fire-fighting measures

- 5.1 Suitable extinguishing media Water fog, carbon dioxide, foam, dry chemicals.

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5.2	Extinguishing media to avoid	None.
5.3	Further information	None.

6	Accidental release measures	Clean area with large amounts of water. Clean up with absorbent material. Prevent skin and eye contact.
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7 Handling and storage

7.1	Handling	Only adequately trained personnel should handle this product.
7.2	Industrial hygiene	Practice care and caution to avoid skin and eye contact. Keep out of reach of children. Usual hygienic measures for dental practice.
7.3	Storage	Store at 2-28 °C / 36-82 °F
7.4	Place of storage	Do not store in open sunshine.
7.5	Fire- and explosion-protection	None.

8 Exposure controls / Personal protection

8.1	Technical measures	Use only with adequate ventilation.
8.2	Control of threshold limits	Glutaraldehyde: MAK (Maximale Arbeitsplatzkonzentration, Germany) is 0.1 ppm. ACGIH (American Conference of Governmental Industrial Hygienists, USA) Threshold Limit Value (TLV) is 0.2 ppm.
8.3	Personal protective equipment	
8.3.1	Respiratory protection	Respiratory Protection.
8.3.2	Hand protection	Rubber gloves.
8.3.3	Eye protection	Eye wash fountain should be located in immediate work area. Safety goggles or face-shield.
8.3.4	Other	None.

9 Physical and chemical properties

9.1	Appearance	liquid
9.2	Colour	colourless
9.3	Odour	characteristic
9.4	Change of physical state	Test method: not known
9.5	Density	1.38 g/cm ³ (20°C)

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9.6 Vapour pressure

not applicable

9.7 Viscosity

not known

9.8 Solubility

Solubility in

soluble

9.9 pH

4.0

9.10 Flash point

> 100 °C

9.11 Ignition temperature

not applicable

9.12 Explosion limits

Lower:
Upper:
not applicable

9.13 Further information

None.

10 Stability and reactivity

10.1 Thermal decomposition

None, if used in accordance to instructions.

10.2 Hazardous decomposition products

None under normal conditions of storage and use.

10.3 Hazardous reactions

Avoid excessive heat and direct sunlight.

10.4 Further information

Avoid exposure to light.

11 Toxicological information

11.1 Acute toxicity

Oral LD50 for rats: 3900 mg/kg
May cause severe eye irritation. Eye Contact: (see 4.1., First aid measures).
Eye Contact: (see 4.1., First aid measures)
Mucous membranes: irritating.

11.2 Subacute / Chronic toxicity

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

11.3 Further information

None.

12 Ecological information

The product must not enter effluent, ground water, surface water or the soil.
German "Wassergefährdungs Klasse (WGK)": 1

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13 Disposal considerations

Take to a special waste incineration plant, in line with local regulations.

13.1 EU waste key

18 01 06

14 Transport information

14.1 Transport at land

ADR --- RID ---

UN Number --- Kemler Number ---

Packing Group ---

Proper shipping name

14.2 Transport at sea

ADNR --- IMDG ---

UN Number ---

EMS --- MFAG ---

Packing Group

Proper shipping name ---

14.3 Air transport

ICAO / IATA-DGR ---

UN Number ---

Proper shipping name ---

Subsidiary Risk ---

Labels ---

Packing Group ---

Passenger airplane Packing Instructions ---

max. ---

Cargo Airplane Packing Instructions ---

max. ---

14.4 Further information

Product is not classified for any mode of transportation.

15 Regulatory information

The product is a medical device according to the EC-directive 93/42.

This product requires classification according to the criteria of the EC.

15.1 UN number

15.2 National regulations

15.3 EU number

15.4 Hazard symbols

Xn

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15.5 Hazard designation

Xn: Harmful. Contains Maleic acid, Glutaraldehyde.

15.6 Risk phrases

R: 41-20/22-37/38-42/43

41 Risk of serious damage to eyes.
20/22 Harmful by inhalation and if swallowed.
37/38 Irritating to respiratory system and skin.
42/43 May cause sensitization by inhalation and in skin contact.

15.7 Safety phrases

S: 2-9-23-26-28-24/25-37/39

2 Keep out of the reach of children.
9 Keep container in a well-ventilated place.
23 Do not breathe vapour.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of water and soap.
24/25 Avoid contact with skin and eyes.
37/39 Wear suitable gloves and eye/face protection.

15.8 MAK value

15.9 BVD classification (CH)

15.10 VbF (D)

15.11 Further information

None.

16 Other information

Version: 2
Changes: 2.2 / 13.1

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.