

EU Safety Data Sheet

Multilink Automix



Date of issue / Reference

22.03.2005 hot

Replaces version of

Date of printing

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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 **Multilink Automix**
- 1.2 Application / Use Resin based dental luting material
- 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 Base and Catalyst
Pastes of dimethacrylates, hydroxyethyl methacrylate (HEMA),
inorganic fillers, ytterbiumtrifluoride, initiators, stabilizers and
pigments
- 2.2 Hazardous components
- 22-26 % Dimethacrylates (CAS No. 1565-94-2, 72869-86-4, 41637-38-1)
- CAS No. 868-77-7 6-7 % HEMA
Xi: Irritant. R43: May cause sensitisation by skin contact. R36/38: Irritating to eyes and skin.
- CAS No. 94-36-0 < 1 % Benzoylperoxide
Xi: Irritant. R36: Irritating to eyes. R43: May cause sensitisation by skin contact.
- 2.3 Further information None.

3 Hazards identification

Uncured material: May cause sensitization by skin contact. Direct contact may cause eye and skin irritation. The material is contraindicated if a person is known to be allergic to any of the ingredients of the product.

4 First aid measures

- 4.1 Eye contact Flush with plenty of water. Consult a physician if irritation persists.
- 4.2 Skin contact Wash thoroughly with water.
- 4.3 Ingestion Give large amounts of water. No hazards anticipated from swallowing small amounts incidentally to normal handling. If you feel unwell, seek medical advice (show this safety data sheet).
- 4.4 Inhalation Remove to fresh air.

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4.5 Further information None.

5 Fire-fighting measures

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

5.2 Extinguishing media to avoid None known

5.3 Further information None.

6 Accidental release measures

Clean up mechanically.
Dispose of according to local and national regulations.

7 Handling and storage

7.1 Handling Only adequately trained personnel should handle this product.
Keep out of reach of children.

7.2 Industrial hygiene Usual hygienic measures for dental practice.
When using, do not eat, drink or smoke.

7.3 Storage Store at 2-8 °C

7.4 Place of storage Avoid exposure to direct sunlight.

7.5 Fire- and explosion-protection Not required.

8 Exposure controls / Personal protection

8.1 Technical measures Good general ventilation should be sufficient.

8.2 Control of threshold limits None established.

8.3 Personal protective equipment

8.3.1 Respiratory protection Not required.

8.3.2 Hand protection Gloves.
Commercial medical gloves do not provide protection against the sensitizing effect of methacrylates.

8.3.3 Eye protection Safety goggles.

8.3.4 Other None.

9 Physical and chemical properties

9.1 Appearance Paste

9.2 Colour off-white to cream

9.3 Odour Practically odourless

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9.4	Change of physical state		Test method:
		not applicable	
9.5	Density	not determined	
9.6	Vapour pressure	not applicable	
9.7	Viscosity	not determined	
9.8	Solubility		
	Solubility in	< 0.1 %	
9.9	pH	not determined	
9.10	Flash point	> 150 °C	
9.11	Ignition temperature	not determined	
9.12	Explosion limits	Lower: Upper: not determined	
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	None.
10.4	Further information	Avoid heat.

11 Toxicological information

11.1	Acute toxicity	Multilink possesses no cytotoxic potential. non-mutagenic
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	No hazards anticipated from swallowing small amounts incidentally to normal handling.

12 Ecological information

No ecological problems to be anticipated if properly handled and used.
nearly insoluble

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13 Disposal considerations

Take to a waste incineration plant, under conditions approved by the local authority.

13.1 EU waste key

20 01 39

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

This product does not require classification according to the criteria of the EC.

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

15.1 UN number

15.2 National regulations

15.3 EU number

15.4 Hazard symbols

15.5 Hazard designation

Contains HEMA, Benzoylperoxide, Dimethacrylates (CAS No. 1565-

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94-2, 72869-86-4, 41637-38-1).

15.6 Risk phrases

15.7 Safety phrases

15.8 MAK value --- ml/m³ (ppm)

15.9 BVD classification (CH) ---

15.10 VbF (D)

15.11 Further information None.

16 Other information Version: 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.

This safety data sheet has been generated with the safety database 'ChemManager',
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