EU Safety Data Sheet

Multilink

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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
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, ytterbium trifluoride, initiators, stabilizers and pigments
2.2 Hazardous components
   24-26 % 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.
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 2-28 °C / 36-82 °F (Base)
Store catalyst paste in the refrigerator (2-8 °C / 36-46 °F)!
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
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 pH
< 0.1 % not determined

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
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

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15.4 Hazard symbols

15.5 Hazard designation
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.

91/155/EEC

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