

EU Safety Data Sheet

MultiCore
HB and Flow



Date of issue / Reference

22.06.2007 lise / Version 3

Replaces version of

12.04.2005 hot

Date of printing

22.06.2007 **Sheet No. 1541**

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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

**MultiCore
HB and Flow**

1.2 Application / Use

Core build-up 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, inorganic fillers, ytterbiumtrifluoride,
initiators, stabilizers and pigments

2.2 Hazardous components

CAS No. 1565-94-2

0-15 % Bis-GMA

Xi: Irritant. R36: Irritating to eyes. R38: Irritating to skin.

CAS No. 109-16-0

3-10 % Triethylene glycoldimethacrylate

Xi: Irritant. R36/37/38: Irritating to eyes, respiratory system and skin.

CAS No. 72869-86-4

3-20 % Urethanedimethacrylate

Xi: Irritant. R36: Irritating to eyes. R38: Irritating to skin.

CAS No. 94-36-0

0-1 % Benzoylperoxide

Xi: Irritant. E: Explosive. R2: Risk of explosion by shock, friction, fire or other sources of
ignition. R36: Irritating to eyes. R43: May cause sensitisation by skin contact.

2.3 Further information

None.

3 Hazards identification

Uncured material: Direct contact can 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

No hazards anticipated from swallowing small amounts incidentally
to normal handling.

4.4 Inhalation

Remove to fresh air.

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4.5	Further information	If you feel unwell, seek medical advice (show this safety data sheet).
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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 known
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5.3	Further information	None.
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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.
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7.2	Industrial hygiene	Usual hygienic measures for dental practice.
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7.3	Storage	Store in a cool (2-8 °C / 36-46 °C), dry place.
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7.4	Place of storage	Keep away from heat source.
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7.5	Fire- and explosion-protection	Not required.
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8 Exposure controls / Personal protection

8.1	Technical measures	Good general ventilation should be sufficient.
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8.2	Control of threshold limits	None established.
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8.3	Personal protective equipment	
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8.3.1	Respiratory protection	Not required.
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8.3.2	Hand protection	Gloves. Commercial medical gloves do not provide protection against the sensitizing effect of methacrylates.
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8.3.3	Eye protection	Safety goggles.
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8.3.4	Other	None.
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9 Physical and chemical properties

9.1	Appearance	Paste
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9.2	Colour	various
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9.3	Odour	practically odourless
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9.4	Change of physical state	
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Test method:

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9.5	Density	not determined
9.6	Vapour pressure	not applicable
9.7	Viscosity	not determined
9.8	Solubility	
	Solubility in water	nearly insoluble
9.9	pH	not determined
9.10	Flash point	> 150 °C
9.11	Ignition temperature	not determined
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	None.
10.4	Further information	Avoid exposure of product to light.

11 Toxicological information

11.1	Acute toxicity	Oral LD50 for rats: > 5'000 mg/kg
11.2	Subacute / Chronic toxicity	Uncured material: prolonged or frequently repeated skin contact may cause allergic skin reactions.
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 an approved landfill or 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 as a dangerous good for transport.

15 Regulatory information

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

This product is classified as a medical device under US and Canadian regulations and has been reviewed by the US Food and Drug Administration and Health Canada.

This product does not require classification as Dangerous Goods.

15.1 UN number

15.2 National regulations

15.3 EU number

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15.4	Hazard symbols	
15.5	Hazard designation	
15.6	Risk phrases	
15.7	Safety phrases	
15.8	MAK value	--- ml/m ³ (ppm)
15.9	BVD classification (CH)	---
15.10	VbF (D)	---
15.11	Further information	None.

16	Other information	Version: 3 Changes: 2/7/13
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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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