

# EU Safety Data Sheet

Tetric EvoFlow



Date of issue / Reference 05.10.2007 lise / Version 2  
Replaces version of 26.09.2006 casa  
Date of printing 05.10.2007 **Sheet No. 1667**

Page 1 of 5

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

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## 1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **Tetric EvoFlow**
- 1.2 Application / Use Light-curing, flowable, resin-based dental restorative
- 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 Paste of dimethacrylates, inorganic fillers, copolymer,  
ytterbiumtrifluoride, initiators, stabilizers and pigments
- 2.2 Hazardous components  
< 40 % Dimethacrylates (CAS No. 1565-94-2 und 72869-86-4)  
R36: Irritating to eyes. R38: Irritating to skin.
- 2.3 Further information None.
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## 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.

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## 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 soap and water.
- 4.3 Ingestion No hazards anticipated from swallowing small amounts incidentally  
to normal handling.
- 4.4 Inhalation Remove to fresh air.
- 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.
- 5.2 Extinguishing media to avoid None known

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Date of printing 05.10.2007 **Sheet No. 1667**

Page 2 of 5

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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.

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## 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

7.4 Place of storage Avoid exposure to light.

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.

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.

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## 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:

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9.5 Density 1.72-1.84 g/cm<sup>3</sup> (20°C)

9.6 Vapour pressure  
not applicable

9.7 Viscosity  
not determined

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Date of issue / Reference 05.10.2007 lise / Version 2  
Replaces version of 26.09.2006 casa  
Date of printing 05.10.2007 **Sheet No. 1667**

Page 3 of 5

## 9.8 Solubility

Solubility in water < 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 applicable

9.13 Further information None.

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## 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.

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## 11 Toxicological information

11.1 Acute toxicity The oral LD-50 for rats is > 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.

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## 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

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## 14 Transport information

14.1 Transport at land ADR --- RID ---

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Date of printing 05.10.2007 **Sheet No. 1667**

Page 4 of 5

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	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.			

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## 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	---
15.4	Hazard symbols	
15.5	Hazard designation	Contains Dimethacrylates (CAS No. 1565-94-2 und 72869-86-4).
15.6	Risk phrases	
15.7	Safety phrases	
15.8	MAK value	
15.9	BVD classification (CH)	
15.10	VbF (D)	
15.11	Further information	None.

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Date of printing 05.10.2007 **Sheet No. 1667**

Page 5 of 5

## 16 Other information

Version: 2  
Changes: 1.2/1.5

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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.*

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This safety data sheet has been generated with the safety database 'ChemManager'.  
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91/155/EEC