

Material Safety Data Sheet

Telio Add-On Flow

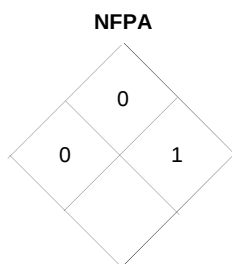


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Company Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Fürstentum Liechtenstein

1 Commercial product name and supplier

1.1 Commercial product name / Designation **Telio Add-On Flow**



HMIS	
H	0
F	0
R	1

1.2 Application / Use Flowable temporary C&B add-on and repair material

1.3 Producer Ivoclar Vivadent AG, Bendererstrasse 2, 9494 Schaan
Principality of Liechtenstein (FL)

1.4 Supplier Ivoclar Vivadent, Inc.
175 Pineview Drive, Amherst NY 14228, USA
2785 Skymark Ave., Unit 1 Mississauga, ON L4W4Y3, Canada
MSDS prepared by Anderjeet Gulati. Tel. No. 716 691-0010

1.5 24 Hour Emergency Assistance Emergency-Call USA- Infotrac: 1-800-535-5053
Emergency-Call Canada - Canutec: 1-613-996-6666

General MSDS Assistance US: 1-800-533-6825
Canada: 1-800-263-8182

2 Composition

2.1 Chemical characterization Paste of dimethacrylates, inorganic fillers, initiators, stabilizers and pigments

2.2 Hazardous components

CAS No. 1565-94-2	< 18 % Bis-GMA Xi: Irritant. R36: Irritating to eyes. R38: Irritating to skin.
CAS No. 109-16-0	< 9 % Triethylene glycoldimethacrylate Xi: Irritant. R43: May cause sensitisation by skin contact. R36/37/38: Irritating to eyes, respiratory system and skin.
CAS No. 72869-86-4	< 16 % Urethane dimethacrylate Xi: Irritant. R36: Irritating to eyes. R38: Irritating to skin. R43: May cause sensitisation by skin contact.

2.3 Further information None.

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3 Hazards identification

Uncured material: May cause sensitization by skin contact. Direct contact may cause eye and skin irritation.

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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 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). |

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 | Flash point | not applicable |
| 5.4 | Ignition temperature | not determined |
| 5.5 | Explosion limits | Lower:
Upper:
not applicable |
| 5.6 | Further information | None. |

Test method:

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. |
| 7.2 | Industrial hygiene | Usual hygienic measures for dental practice. |
| 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 | Exposure controls | Good general ventilation should be sufficient. |
| 8.2 | Exposure limit values | None established. |
| 8.3 | Occupational exposure controls | |
| 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.
Check penetration time for the specific gloves used with the glove manufacturer. |
| 8.3.3 | Eye protection | Safety goggles. |
| 8.3.4 | Other | None. |
| 8.4 | Environmental exposure controls | |

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: |
| 9.5 | Density | 1.64 g/cm ³ (20°C) |
| 9.6 | Vapour pressure | not applicable |
| 9.7 | Viscosity | not determined |
| 9.8 | Solubility | |
| | Solubility in water | < 0.1 % |
| 9.9 | pH | Not determined. |

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9.10 Further information

Part. coeff. n-octanol/water
Evaporat. rate

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 Conditions / materials to avoid	Avoid exposure to direct sunlight or ultra violet light.
10.4 Further information	Avoid exposure of product to light.

11 Toxicological information

11.1 Acute toxicity	Oral LD50 for rats: > 5000 mg/kg
11.2 Subacute / Chronic toxicity	Uncured material: prolonged or frequently repeated skin contact may cause allergic skin reactions.
11.3 Further information	None.

12 Ecological information

12.1 Ecotoxicity	No data available.
12.2 Mobility	No data available.
12.3 Persistence and degradability	No data available.
12.4 Bioaccumulative potential	No data available.
12.5 Further 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.

14 Transport information

14.1 Transport at land	ADR	---	RID	---
	UN Number	---	Kemler Number	---
	Packing Group	---		
	Proper shipping name	---		

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14.2	Transport at sea	ADNR	---	IMDG	---
		UN Number	---		
		EMS	---	MFAG	---
		Packing Group			
		Proper shipping name	---		
		Marine pollutant	---		
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.

- 15.1 National regulations
- 15.2 NFPA Storage
- 15.3 Further information

None.

16 Other information

No other information.

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.

