

EU Safety Data Sheet

AdheSE One F



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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 **AdheSE One F**
- 1.2 Application / Use Self-Etch Dental Adhesive
- 1.3 Producer Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Fürstentum Liechtenstein
msds@ivoclarvivadent.com
- Supplier
- 1.4 TOX emergency number
Official Emergency-Call: +423 / 235 35 35 or 373 40 40
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

2 **Hazards identification** May cause sensitisation by skin contact. Irritating to eyes and skin.

3 Composition

- 3.1 Chemical characterization
Mixture of derivatives of bis-acrylamide, water, alcohol, bis-methacrylamide dihydrogen phosphate, acrylamido amino acid, hydroxy alkyl methacrylamide, acrylamido sulfonic acid, highly dispersed silicon dioxide, initiators, catalysts and potassium fluoride.
- 3.2 Hazardous components
- | | |
|---------------------|---|
| CAS No. 911525-18-3 | 5 - 25 % Bis-methacrylamide dihydrogen phosphate
Xi: Irritant. R43: May cause sensitisation by skin contact. R36/37/38: Irritating to eyes, respiratory system and skin. |
| CAS No. 67-63-0 | 5 - 15 % Isopropanol
Xi: Irritant. F: Highly flammable. R11: Highly flammable. R36: Irritating to eyes. R67: Vapours may cause drowsiness and dizziness. |
| CAS No. 7789-23-3 | < 1 % Potassium fluoride
EINECS/ELINCS No.: 232-151-5
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed. |
| CAS No. 15214-89-8 | 1 - 10 % Acrylamido sulfonic acid
EINECS/ELINCS No.: 239-268-0
Xi: Irritant. |
| CAS No. 72064-86-9 | 5 - 20 % Acrylamido amino acid
Xi: Irritant. R36: Irritating to eyes. |
- 3.3 Further information None.

4 First aid measures

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4.1	Eye contact	Flush eyes with plenty of water (10-15 min.). Call a physician.
4.2	Skin contact	Wash thoroughly with water.
4.3	Ingestion	After ingestion call a physician immediately and show this safety data sheet. Give large amounts of water.
4.4	Inhalation	Take into fresh air.
4.5	Further information	Remove contaminated clothing.

5 Fire-fighting measures

5.1	Suitable extinguishing media	No specific requirements.
5.2	Extinguishing media to avoid	None.
5.3	Further information	None.

6 Accidental release measures

Small amounts: absorb with materials which bind liquids.
Clean area with water.

7 Handling and storage

7.1	Handling	Only adequately trained personnel should handle this product.
7.2	Industrial hygiene	Usual hygienic measures are necessary. Practice care and caution to avoid skin and eye contact.
7.3	Storage	Store at 2-28 °C / 36-82 °F
7.4	Place of storage	Do not store in open sunshine.
7.5	Fire- and explosion-protection	Keep away from heat source.

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	No specific requirements.
8.3.2	Hand protection	Appropriate gloves. Commercial medical gloves do not provide protection against the sensitizing effect of methacrylates.

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Check penetration time for the specific gloves used with the glove manufacturer.

8.3.3 Eye protection Safety goggles
Eye wash fountain should be located in immediate work area.

8.3.4 Other None.

8.4 Environmental exposure controls

9 Physical and chemical properties

9.1 Appearance liquid
9.2 Colour yellowish
9.3 Odour characteristic
9.4 Change of physical state Test method:
Solidification point not applicable
9.5 Density
9.6 Vapour pressure not determined
9.7 Viscosity not determined
9.8 Solubility water soluble
9.9 pH ca. 1.5
9.10 Flash point Not determined
9.11 Ignition temperature not determined
9.12 Explosion limits Lower:
Upper:
not applicable
9.13 Further information
Part. coeff. n-octanol/water
Evaporat. rate

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.

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10.3 Conditions / materials to avoid Avoid excessive heat and direct sunlight.
10.4 Further information Avoid exposure to light.

11 Toxicological information

11.1 Acute toxicity Mucous membranes: irritating.
Prevent skin and eye contact.
Sensitisation.
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 Do not allow to flow off into the drains or waters.

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 18 01 06

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	UN number	---
15.2	National regulations	

15.3 EINECS/ELINCS number

15.4 Hazard symbols

Xi



15.5 Hazard designation
 Xi: Irritant. Contains Acrylamido sulfonic acid, Acrylamido amino acid, Potassium fluoride, Isopropanol, Bis-methacrylamide dihydrogen phosphate.

15.6 Risk phrases
R: 43-36/38
 43 May cause sensitisation by skin contact.
 36/38 Irritating to eyes and skin.

15.7 Safety phrases
S: 2-26-28-24/25-37/39
 2 Keep out of the reach of children.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.

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- 28 After contact with skin, wash immediately with plenty of ... (to be specified by manufacturer).
- 24/25 Avoid contact with skin and eyes.
- 37/39 Wear suitable gloves and eye/face protection.

- 15.8 AGW value
- 15.9 BVD classification (CH)
- 15.10 VbF (D)
- 15.11 Further information

16 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.

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