

# Material Safety Data Sheet

AdheSE One F



Date of issue / Reference

16.02.2009

liprt

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Sheet No. 1769

Version 1

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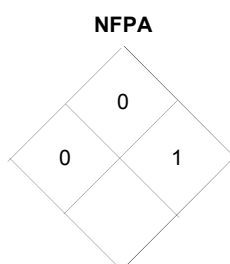
Company

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**



HMIS	
H	0
F	0
R	1

1.2 Application / Use

Self-Etch Dental Adhesive

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

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.

2.2 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

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

CAS No. 15214-89-8 1 - 10 % Acrylamido sulfonic acid

Xi: Irritant.

CAS No. 72064-86-9 5 - 20 % Acrylamido amino acid

Xi: Irritant. R36: Irritating to eyes.

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2.3 Further information

None.

## 3 Hazards identification

May cause sensitisation by skin contact. Irritating to eyes and skin.

## 4 First aid measures

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.

Test method:

5.3 Flash point

Not determined

5.4 Ignition temperature

not determined

5.5 Explosion limits

Lower:  
Upper:  
not applicable

5.6 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.

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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          | No specific requirements.   |
| 8.3.2 | Hand protection                 | Appropriate gloves.<br>Commercial medical gloves do not provide protection against the sensitizing effect of methacrylates.<br>Check penetration time for the specific gloves used with the glove manufacturer. |
| 8.3.3 | Eye protection                  | Safety goggles<br>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:<br>not applicable |
|     | Solidification point     |                                |
| 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                        |

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## 9.10 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.

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.

## 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

## 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.*

