

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent IPS Model Sealer
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 10.11.2009 **Version :** 1.0.0
Print date : 10.11.2009

01. Identification of substance, preparation and company

Product name : Ivoclar Vivadent IPS Model Sealer
Use of the substance / preparation : Use Model Separator
Manufacturer/Supplier : Ivoclar Vivadent AG
Street/P.O.Box : Bendererstrasse 2, FL -9494 Schaan
Country code/Postal code/Town/City : Fürstentum Liechtenstein
Telephone : +(716) 691-0010
Telefax : +423 / 235 35 35 or 373 40 40
Distributor : Ivoclar Vivadent P/L (Australia), 1-5 Overseas Drive, Noble Park North, Victoria 3174
Phone No.: +61-3 9795 9599, Tele fax No.: +61-3 9795 9645
Emergency information : Poisons Information Centre: Dial 13 11 26
24 hours a day, 7 days a week Australia wide

02. Hazards identification

Statement of Hazardous Nature

This product is not classified as: Hazardous according to criteria of National Occupational Health and Safety Commission. Non-Dangerous Goods according to ADG.

Hazard designation

Classification : Not classified
ADG Classification: not classified
UN Number: not classified

Particular information pertaining specific risk for human and environment

Repeated exposure may cause skin dryness or cracking Vapours may cause drowsiness and dizziness. Highly flammable. Irritating to eyes. Highly flammable and irritating. Irritating to eyes and skin. Do not breathe vapour.

03. Composition/information on ingredients

Mixture of ethyl acetate, plasticiser and cellulose nitrate

Hazardous components

CAS No. 141-78-6 : > 75 % Ethyl acetate Xi: Irritant. F: Highly flammable. R11: Highly flammable. R36: Irritating to eyes. R66: Repeated exposure may cause skin dryness or cracking R67: Vapours may cause drowsiness and dizziness.

CAS No. 9004-70-0: 10 % Cellulose nitrate Xi: Irritant. F: Highly flammable. R11: Highly flammable. R36/38: Irritating to eyes and skin.

Other ingredients determined not be hazardous

Non hazardous ingredients

04. First-aid measures

General

After inhalation

Let in fresh air. Call a doctor, should the air passages be affected.

After skin contact

Flush with plenty of water.

After eye contact

Flush with plenty of water (10 - 15 min.). Contact a doctor immediately.

After ingestion

Drink plenty of water. Do not induce vomiting. Contact a doctor immediately.

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05. Fire-fighting measures

Suitable extinguishing media

Water fog, carbon dioxide, foam, dry chemicals

Unsuitable extinguishing media

Waterjet. Do not use direct water stream.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Cool containers in the vicinity of the blaze using a water spray.

Highly flammable liquid. Keep possible ignition sources away from vapours. Risk of explosion if heated under confinement.

Special protective equipment

When extinguishing fires, use breathing apparatus with an independent source of air.

06. Accidental release measures

Personal precautions

Wear suitable protective clothing, gloves and eye/face protection.

Environmental precautions

Prevent from flowing into surface water/ground water.

Methods for cleaning up/collecting

Take up with a mechanical source and proceed according to the waste disposal regulations.

Additional information

Remove according to regulations.

07. Handling and storage

Information for safe handling

Containers to be opened and handled with care. Make sure that ventilation is adequate. Only adequately trained personnel should handle this product. Keep out of reach of children.

Information about protection against explosions and fires

No anti-explosion measures necessary.

Requirements to be met by storerooms and containers

Keep only in the original container. Store at 12-28 °C . Store in a dry place

Information about separation of incompatible products

Store the foodstuffs separately.

08. Exposure controls and personal protection

Additional information about engineering measures

No particular measures required. Technical measures Provide adequate local ventilation.

Components with critical values that require monitoring at the workplace (exposure limits)

MAK (Maximale Arbeitsplatzkonzentration, Germany) is 400 ppm. ACGIH (American Conference of Governmental Industrial Hygienists, USA) Threshold Limit Value (TLV) is 400 ppm.

Explosion limits Lower: 2.1 Vol% Upper: 11.5 Vol%

Dust and Vapours Vapour pressure not applicable (20°C)

Specification : TWA (AUS)

Value : MAK 0.0 mg/m³

Personal protective equipment

Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff.. Avoid contact with skin and eyes. Respiratory protection In dusty atmospheres, use an approved dust respirator P2. If metal fumes are present, use an approved high-efficiency particulate respirator (P3).

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Respiratory protection

Provide for good ventilation. Respiratory protection Respiratory Protection. Avoid inhalation of dust while grinding. In dusty atmospheres, use an approved dust respirator

Hand protection

Short-term exposure (< 30 min): disposable gloves, e.g. nitrile rubber, material thickness 0.1 mm (Australian Standard 2161).
Long-term exposure (Level 6: < 480 min): protective gloves, e.g. nitrile rubber, material thickness 0.7 mm (Australian Standard 2161).

Eye protection

Use tightly fitting safety glasses (Australian Standard AS 1336 and AS/NZS 1337).

Body protection

No particular measures required.

09. Physical and chemical properties

Image

Form : liquid
Colour : colourless
Odour : characteristic

Relevant safety data

Melting point / range :	(1013 hPa)	ca.	not applicable	°C	
Casting point / range :	(1013 hPa)		not applicable	°C	
Flash point :			- 4	°C	DIN 51755
Ignition temperature :			>400	°C	
Lower explosion limit :			not applicable	% b.v.	
Upper explosion limit :			not applicable	% b.v.	
Density :	(20 °C)		1.0	g/cm ³	
Solubility in water :	(20 °C)		miscable	% b.w.	
pH value :					

10. Stability and reactivity

Conditions to avoid

The product is highly flammable. Avoid ignition sources such as flames or spark producing equipment.

Materials to avoid

None known.

Hazardous decomposition products

None if used in accordance with instructions.

11. Toxicological information

Toxicological tests

Oral LD50 for rats: > 5'000 mg/kg LC50 (inhalation, rat) = 1600 ppm/8h Ethyl acetate is considered to have good warning properties with an odour threshold of 50 ppm. At 200 ppm, man finds the odour objectional. At 400 ppm, it may cause eye, nose and throat irritation. Higher levels may cause narcotic effects and more severe respiratory irritation.

Prolonged or repeated exposure may cause drying or irritation of the skin

Sensitization

No data available.

Experience on practice

No data available

12. Ecological information

No ecological problems to be anticipated if properly handled and used.

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Details on elimination (persistence / degradability)

Abiotoxic elimination

No data available.

Biological degradation / elimination

No data available.

Fate in environmental compartments

There are no data available on the preparation itself.

Ecotoxic effects

Performance in sewage-treatment plants

No ecological problems to be anticipated if properly handled and used.

13. Disposal considerations

Product EU waste key 20 01 13

Concentrate: The cleaned-up material must be disposed of in accordance with Federal, State or Local regulations.

Contaminated packaging

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Un cleaned packaging must be disposed of in the same manner as the medium.

14. Transport information

Product is not classified for any mode of transportation

Transport information

Transport at land
ADR 3 RID 3

Sea ADN3 IMDG 32-04

AIR ICAO / IATA-DGR Class 3 Ethyl acetate 1173

max. 60 L Sample shipment not allowed by mail.

15. Regulatory information

Classification This product does not require classification according to the criteria of the EC. The product is a medical device according to the EC-directive 93/42

Danger symbol and danger designation



Xi F Hazard designation Xi: Irritant. F: Highly flammable. Contains Ethyl acetate,

Cellulose

Hazard-determining components of labelling

None : MAK value 0.0 mg/m³ ml/m³ (ppm)

R: 11-36-66-67

- 11 Highly flammable.
- 36 Irritating to eyes.
- 66 Repeated exposure may cause skin dryness or cracking
- 67 Vapours may cause drowsiness and dizziness.

S: 2-16-23-26-29-33

- 2 Keep out of the reach of children.
- 16 Keep away from sources of ignition -No smoking.
- 23 Do not breathe vapour.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
- 29 Do not empty into drains.
- 33 Take precautionary measures against static discharge 400 ml/m³ (ppm)

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16. Other information

Processing instructions / technical data sheets

Please observe the label/directions for use!

Further information

This is a medical device classified under the requirements of EU and TGA . Complies with ISO 8891, ISO 9693

Contact

Dr. Peter Lobo

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.