

# Material Safety Data Sheet

according to NOHSC:2011(2003)



**Product name :** Ivoclar Vivadent IPS eMax Ceram Glaze & Stain Liquid  
**Statement of Hazardous Nature :** This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.  
**Revision :** 09.09.2009      **Version :** 1.0.0  
**Print date :** 09.09.2009

## 01. Identification of substance, preparation and company

**Product name :** Ivoclar Vivadent IPS e.max Glaze & Stain Liquid  
**Use of the substance / preparation :** Ceramic Stain and Glaze  
**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

None, if handled according to order.

## 03. Composition/information on ingredients

Chemical characterization Pentanediol

### Hazardous components

Pentanediol

### Other ingredients determined not be hazardous

Non hazardous ingredients  
Harmful by inhalation and if swallowed

## 04. First-aid measures

### General

Immediately remove all contaminated clothing.

### After inhalation

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

### After skin contact

Flush with plenty of water. Melted material presents a special hazard of deep thermal burns. If burn occurs, treat as any thermal burn

### 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.

## 05. Fire-fighting measures

### Suitable extinguishing media

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Not combustible under normal conditions. Adapt extinguishing measures to suit the environment.

## 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

None known.

## 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. No specific storage requirements.

### 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. Control airborne concentration below the exposure guideline.

Control of threshold limits :Grinding dust: Producer Industry recommends an exposure limit of 1.5 mg/m<sup>3</sup>.

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

Dust and Vapours

Specification : TWA (AUS)  
Value : MAK 0.0 mg/m<sup>3</sup>

### 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).

### Respiratory protection

Provide for good ventilation.

### 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).

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## 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 :** viscous liquid    **Viscosity**    0.077 mPa s    **Vapour pressure** <0.01 hPa  
**Colour :** transparent ,colourless  
**Odour :** odourless

### Relevant safety data

<b>Melting point / range :</b>	( 1013 hPa )		not applicable	°C	
<b>Casting point / range :</b>	( 1013 hPa )	ca.	not applicable	°C	
<b>Flash point :</b>			136	°C	DIN 51755
<b>Ignition temperature :</b>			335	°C	
<b>Lower explosion limit :</b>			not applicable	% b.v.	
<b>Upper explosion limit :</b>			not applicable	% b.v.	
<b>Density :</b>	( 25 °C )		0.99	g/cm <sup>3</sup>	
<b>Solubility in water :</b>	( 20 °C )		miscible	% b.w.	
<b>pH value :</b>			7.5		

## 10. Stability and reactivity

### Conditions to avoid

None, if handled according to order.

### Materials to avoid

None known.

### Hazardous decomposition products

None if used in accordance with instructions.

## 11. Toxicological information

### Toxicological tests

Oral LD50 for rats: 2000 mg/kg  
The oral LD50 for rabbits: 6300 mg/kg

### Primary irritant effect

Fumes or dusts generated from cutting or grinding operations may cause respiratory irritation

### Sensitization

No data available.

### Experience on practice

Excessive exposure may cause eye, skin and respiratory irritation.

## 12. Ecological information

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

### 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.

### Ecotoxicological effects

#### Performance in sewage-treatment plants

No data available.



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