according to NOHSC:2011(2003)

Ivoclar Vivadent IPS eMax Ceram Glaze & Stain Liquid Product name:

This product is classified as: Non Hazardous according to criteria of Statement of Hazardous Nature:

National Occupational Health and Safety Commission. 09.09.2009 Version:

Print date: 09.09.2009



## 01. Identification of substance, preparation and company

Product name: Ivoclar Vivadent IPS e.max Glaze & Stain Liquid

Ceramic Stain and Glaze Use of the substance / preparation: Ivoclar Vivadent AG Manufacturer/Supplier:

Bendererstrasse 2, FL -9494 Schaan Street/P.O.Box:

Fürstentum Liechtenstein Country code/Postal code/Town/City:

+(716) 691-0010 Telephone:

+423 / 235 35 35 or 373 40 40 Telefax:

Distributor:

Revision:

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

Poisons Information Centre: Dial 13 11 26 **Emergency information:** 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

according to NOHSC:2011(2003)

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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/m3.

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

**Dust and Vapours** 

 $\begin{tabular}{lll} Specification: & TWA (AUS) \\ Value: & MAK 0.0 mg/m^3 \end{tabular}$ 

## 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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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

Melting point / range :( 1013 hPa )not applicable °CCasting point / range :( 1013 hPa )ca.not applicable °C

**Flash point :** 136 °C DIN 51755

Ignition temperature: 335 °C Lower explosion limit: not applicable % b.v. Upper explosion limit : not applicable % b.v. (25 °C) Density: 0.99 g/cm<sup>3</sup> Solubility in water : (20°C) miscible % b.w.

pH value : 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. <u>Toxicological information</u>

**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 (persistance / degradibility)

**Abiotical elimination** 

No data available.

Biological degradation / elimination

No data available.

Fate in environmental compartments

There are no data available on the preparation itself.

**Ecotoxical effects** 

Performance in sewage-treatment plants

No data available.

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#### 13. <u>Disposal considerations</u>

Product EU waste key 18 01 07

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

## Land transport ADG

Classification

Class: - ADR RID

## **Maritime transport IMDG**

Classification

IMDG-Code:

- EMS UN

Number

Packing

Group MFAG

Proper shipping name ADNR

## Air transport ICAO-TI and IATA-DGR

Classification

- ICAO / IATA-DGR

Class: UN ICAO / IATA-DGR

Proper shipping name

**UN Number** 

## 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



Not required.

#### Hazard-determining components of labelling

None: MAK value 0.0 mg/m³ ml/m³ (ppm)

R-phrases

43 May cause sensitisation by skin contact. 36/37/38 Irritating to eyes, respiratory system and skin.

S-phrases

37/39 Wear suitable gloves and eye/face protection.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### 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.

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