**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
  - **Trade name:** IPS d.SIGN Margin Build-Up Liquid

- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
  - No further relevant information available.

- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Ivoclar Vivadent AG
    Bendererstrasse 2
    FL-9494 Schaan
    PRINCIPALITY OF LIECHTENSTEIN

  - **Tel:** +423 235 35 35
  - **Fax:** +423 235 33 60

- **1.4 Emergency telephone number:** +423 / 235 33 13 (Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC:** Not applicable.

- **Information concerning particular hazards for human and environment:**
  - The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**
  - The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **2.2 Label elements**
  - **Labelling according to EU guidelines:**
    - The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

- **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.2 Chemical characterisation: Mixtures**
  - **Description:** Mixture of substances listed below with nonhazardous additions.

  - **Dangerous components:** Void

  - **Additional information:** For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - **General information:** No special measures required.

  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
After skin contact:
Rinse with water.
Generally the product does not irritate the skin.

After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:
Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents: The product is not flammable.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters
Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Only adequately trained personnel should handle this product.
For use in dentistry only.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
### 8.2 Exposure controls

**General protective and hygienic measures:**
Usual hygienic measures for dental practice.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.

**Respiratory protection:** Not required.

**Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Safety glasses

### 9.1 Information on basic physical and chemical properties

**General Information**

- **Form:** Fluid
- **Colour:** Colourless
- **Odour:** Nearly odourless
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.

**Change in condition**
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 100 °C

**Flash point:** Not applicable.

**Flammability (solid, gaseous):** Not applicable.

**Self-igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.

**Vapour pressure at 20 °C:** 23 hPa

**Density at 20 °C:** 1 g/cm³

**Relative density**
- Not determined.

**Vapour density**
- Not determined.
Trade name: IPS d.SIGN Margin Build-Up Liquid

Evaporation rate: Not determined.
Solubility in / Miscibility with water: Fully miscible.
Partition coefficient (n-octanol/water): Not determined.
Viscosity:
  Dynamic: Not determined.
  Kinematic: Not determined.

9.2 Other information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No further relevant information available.
10.2 Chemical stability
Stable under normal handling and storage conditions.
10.3 Thermal decomposition / conditions to be avoided
No decomposition if used according to specifications.
10.4 Possibility of hazardous reactions
No dangerous reactions known.
10.5 Conditions to avoid
No further relevant information available.
10.6 Incompatible materials
No further relevant information available.
10.7 Hazardous decomposition products
None under normal conditions of storage and use.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity:
  Primary irritant effect:
    on the skin: No irritant effect.
    on the eye: No irritating effect.
  Sensitisation: No sensitising effects known.
  Additional toxicological information: No further relevant information available.

SECTION 12: Ecological information

12.1 Toxicity
  Aquatic toxicity: No further relevant information available.
  Persistence and degradability: No further relevant information available.
  Bioaccumulative potential: No further relevant information available.
  Mobility in soil: No further relevant information available.
  Additional ecological information:
    General notes: Generally not hazardous for water.
  Results of PBT and vPvB assessment
    PBT: Not applicable.
    vPvB: Not applicable.
  Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation
  Smaller quantities can be disposed of with household waste.
  Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.
Trade name: **IPS d.SIGN Margin Build-Up Liquid**

(Contd. of page 4)

* **SECTION 14: Transport information**

  - 14.1 UN-Number
  - ADR, ADN, IMDG, IATA: Void

  - 14.2 UN proper shipping name
  - ADR, ADN, IMDG, IATA: Void

  - 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA: Void

  - 14.4 Packing group
  - ADR, IMDG, IATA: Void

  - 14.5 Environmental hazards:
    - Marine pollutant: No

  - 14.6 Special precautions for user: Not applicable.

  - 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

  - Transport/Additional information: Product is not classified as a dangerous good for transport (ADR, IMDG, IATA).

* **SECTION 15: Regulatory information**

  - 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

  - National regulations:
    - Other regulations, limitations and prohibitive regulations
      - The product is a medical device according to the Directive 93/42/EEC.

  - 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

* **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

* Data compared to the previous version altered.