1 Identification of the substance/mixture and of the company/undertaking

- Product identifier
- Trade name: **IPS Classic Build-Up Liquid L**

- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation: Auxiliary for manufacture of dental prosthesis

- 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

- Further information obtainable from:
  Regulatory Affairs
  msds@ivoclarvivadent.com
- Emergency telephone number: +423 / 235 33 13

2 Hazards identification

- Classification of the substance or mixture

- 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.

- 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).
- Other hazards

- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: 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.

4 First aid measures

- Description of first aid measures
  - General information: No special measures required.
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
Safety data sheet  
according to 1907/2006/EC, Article 31  

Printing date: 05.09.2012  
Revision: 05.09.2012  
Version number: 6  

Trade name: IPS Classic Build-Up Liquid L  

· 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. 
· Information for doctor: 
  Most important symptoms and effects, both acute and delayed: No further relevant information available. 
  Indication of any immediate medical attention and special treatment needed: 
  No further relevant information available. 

5 Firefighting measures  

· Extinguishing media 
· Suitable extinguishing agents: 
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. 
· Special hazards arising from the substance or mixture: No further relevant information available. 
· Advice for firefighters 
  · Protective equipment: No special measures required. 

6 Accidental release measures  

· Personal precautions, protective equipment and emergency procedures: Not required. 
· Environmental precautions: Do not allow to enter sewers/surface or ground water. 
· Methods and material for containment and cleaning up: 
  · Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). 
· 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. 

7 Handling and storage  

· Handling: 
· 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. 
· 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: None. 
  · Specific end use(s) No further relevant information available. 

8 Exposure controls/personal protection  

· Additional information about design of technical facilities: No further data; see item 7. 

(Contd. on page 3)
Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2012  Version number 6  Revision: 05.09.2012

Trade name: IPS Classic Build-Up Liquid L

- 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.
  - Additional information: The lists valid during the making were used as basis.

- Exposure controls
- Personal protective equipment:
- 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 breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - 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.

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Trade name: IPS Classic Build-Up Liquid L

- Vapour pressure at 20°C: 23 hPa
- Density at 20°C: 1 g/cm³
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with water: Fully miscible.
- Segregation coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- Other information: No further relevant information available.

10 Stability and reactivity

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

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritating effect.
  - Sensitization: No sensitizing effects known.
- Additional toxicological information:
  The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
- Additional ecological information:
- General notes:
  Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
13 Disposal considerations

- Waste treatment methods
  - Recommendation
  Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

- European waste catalogue
  - 18 01 07 chemicals other than those mentioned in 18 01 06

- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

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

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

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

- Packing group
  - ADR, IMDG, IATA Void

- Environmental hazards:
  - Marine pollutant: No

- Special precautions for user
  - Not applicable.

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

15 Regulatory information

- 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 EC-directive 93/42/EEC.

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

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.