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

1.1 Product identifier

Trade name: IvoBase CAD Bond Polymer

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture: Auxiliary for manufacture of dental prothesis

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

Further information obtainable from:
Regulatory Affairs
sds@ivoclarvivadent.com

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 Regulation (EC) No 1272/2008

Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07

Signal word: Warning

Hazard-determining components of labelling:
dibenzoyl peroxide

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Dust generation

Particular danger of slipping on leaked/spilled product.

Results of PBT and vPvB assessment

PBT: Not applicable.
SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
- Description: > 95% polymethylmethacrylate

Dangerous components:

| CAS: 94-36-0 | dibenzoyl peroxide |
| 1-<2.5% |

Additional information: For the wording of the listed hazard 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 and to be sure call for a doctor.
- After skin contact: Rinse with water. If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. Then 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: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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: Pick up mechanically.

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.
Trade name: IvoBase CAD Bond Polymer

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: Protect from heat and direct sunlight.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
  - Ingredients with limit values that require monitoring at the workplace:
    CAS: 94-36-0 dibenzoyl peroxide
    WEL Long-term value: 5 mg/m³
  - Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      Usual hygienic measures for dental practice and dental laboratories.
      Keep away from foodstuffs, beverages and feed.
      Wash hands before breaks and at the end of work.
      Avoid contact with the skin.
    - Respiratory protection: Use respiratory protective device against the effects of dust.
    - Protection of hands:
      Protective gloves
      After use of gloves apply skin-cleaning agents and skin cosmetics.
  - Material of gloves
    Butyl rubber, BR
    Natural rubber, NR
    Nitrile rubber, NBR
    Fluorocarbon rubber (Viton)
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
    - 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

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
    - Form: Powder
    - Appearance: According to product specification
Trade name: IvoBase CAD Bond Polymer

- Odour: Characteristic
- Odour threshold: Not determined.
- pH-value: Not applicable.
- Change in condition
  - Melting point/Melting range: 150 °C
  - Boiling point/Boiling range: Undetermined.
- Flash point: 250 °C
- Flammability (solid, gaseous): Not determined.
- Self-igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Vapour pressure: Not applicable.
- Density at 20 °C: 1.2 g/cm³
- Relative density: Not determined.
- Vapour density: Not applicable.
- Evaporation rate: Not applicable.
- Solubility in / Miscibility with water: Nearly insoluble.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.
- 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 Possibility of hazardous reactions No decomposition if used according to specifications.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: None under normal conditions of storage and use.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- 11.1.1 Acute toxicity Based on available data, the classification criteria are not met.
- 11.1.2 Skin corrosion/irritation Based on available data, the classification criteria are not met.
- 11.1.3 Serious eye damage/irritation Based on available data, the classification criteria are not met.
- 11.1.4 Respiratory or skin sensitisation May cause an allergic skin reaction.
- 11.1.5 Additional toxicological information: No further relevant information available.
- 11.1.6 Germ cell mutagenicity Based on available data, the classification criteria are not met.
- 11.1.7 Carcinogenicity Based on available data, the classification criteria are not met.
- 11.1.8 Reproductive toxicity Based on available data, the classification criteria are not met.
- 11.1.9 STOT-single exposure Based on available data, the classification criteria are not met.
- 11.1.10 STOT-repeated exposure Based on available data, the classification criteria are not met.
### SECTION 12: Ecological information

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

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation**
    - Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.
  - **European waste catalogue**
    - 20 01 39 plastics
- **Uncleaned packaging:**
  - **Recommendation**: Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN-Number**
  - *ADR,RID,ADN, ADN, IMDG, IATA* Void
- **14.2 UN proper shipping name**
  - *ADR,RID,ADN, ADN, IMDG, IATA* Void
- **14.3 Transport hazard class(es)**
  - *ADR,RID,ADN, ADN, IMDG, IATA* Void
- **14.4 Packing group**
  - *ADR,RID,ADN, 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 Marpol and the IBC Code**
  - Not applicable.
- **Transport/Additional information:**
  - Product is not classified as a dangerous good for transport (ADR, IMDG, IATA).
Trade name: IvoBase CAD Bond Polymer

SECTION 15: Regulatory information

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- 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.

- Relevance phrases
  H241 Heating may cause a fire or explosion.
  H317 May cause an allergic skin reaction.
  H319 Causes serious eye irritation.

- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  Org. Perox. B: Organic peroxides – Type B
  Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  Skin Sens. 1: Skin sensitisation – Category 1