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

- **1.1 Product identifier**
  - Trade name: ProBase Cold 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** Denture base material

- **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**
  - **Labelling according to Regulation (EC) No 1272/2008**
    - 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.

(Contd. on page 2)
Trade name: **ProBase Cold Polymer**

· **vPvB:** Not applicable.

*SECTION 3: Composition/information on ingredients*

· 3.2 Chemical characterisation: Mixtures
  · Description: > 95% polymethylmethacrylate
  · Dangerous components:
    - CAS: 94-36-0 dibenzoyl peroxide
    - Dangerous components: 1-<2.5%

· 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 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. 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:
    - 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
  - Avoid formation of dust.
  - Particular danger of slipping on leaked/spilled product.

· 6.2 Environmental precautions
  - Do not allow to enter sewers/ surface or ground water.

· 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.
  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:
  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.
      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:
    - After use of gloves apply skin-cleaning agents and skin cosmetics.
    - Material of gloves
      Butyl rubber, BR
      Chloroprene rubber, CR
      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
   Appearance:
   Form: Powder
   Colour: According to product specification
   Odour: Characteristic
   Odour threshold: Not determined.
   \[pH\]-value: 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 Thermal decomposition / conditions to be avoided
   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**
  - Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritating effect.
  - Sensitisation: Sensitisation possible through skin contact.
  - Additional toxicological information: No further relevant information available.

**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.
- **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.
  
  - Uncleaned packaging:
    - Recommendation: Disposal must be made according to official regulations.

**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
Trade name: ProBase Cold Polymer

| 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). |
| UN "Model Regulation": | - |

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.

Relevant 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)
Org. Perox. B: Organic Peroxides, Type B
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

* Data compared to the previous version altered.