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

- **1.1 Product identifier**
  - Trade name: **IPS Multi Wax Pattern Form A + B**

- **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 dental technology

- **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
    - The product is not classified according to the CLP regulation.

- **2.2 Label elements**
  - Labelling according to Regulation (EC) No 1272/2008 **Void**

  - **Hazard pictograms** **Void**
  
  - **Signal word** **Void**
  
  - **Hazard statements** **Void**
  
  - **2.3 Other hazards**
    - Melted material may cause burns.

- **Results of PBT and vPvB assessment**

  - **PBT:** Not applicable.
  
  - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
  - **Description:** Wax

  - **Dangerous components:**
    - **CAS:** 8002-74-2
    - **EINECS:** 232-315-6
    - **Paraffin waxes and Hydrocarbon waxes**
      - **substance with a Community workplace exposure limit**
      - **50-100%**

  - **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 or oxygen; call for doctor.
    - In case of unconsciousness place patient stably in side position for transportation.

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Trade name: **IPS Multi Wax Pattern Form A + B**

- **After skin contact:**
  Generally the product does not irritate the skin.
  After contact with the molten product, cool rapidly with cold water.
- **After eye contact:**
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
  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: Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**
  - Carbon dioxide (CO2)
  - Carbon monoxide (CO)
- **5.3 Advice for firefighters**
  - Protective equipment: Wear self-contained respiratory protective device.

**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.
  - For use in dentistry only.
  - Extractors are required on all machines used for thermal processing or splinter removal processes.
  - 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.
    - Store in dry conditions.
- **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.

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Trade name: **IPS Multi Wax Pattern Form A + B**

### 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**
  - **CAS:** 8002-74-2 Paraffin waxes and Hydrocarbon waxes
  - **WEL**
    - Short-term value: 6 mg/m³
    - Long-term value: 2 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.
  - **Respiratory protection:** Not required.
  - **Protection of hands:** Not required.
  - **Material of gloves:**
    - **Penetration time of glove material:**
  - **Eye protection:**
    - **Thermal processing:**
      - Safety glasses

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- **General Information**
  - **Appearance:**
    - **Form:** Solid
    - **Colour:** Different according to colouring
    - **Odour:** Characteristic
    - **Odour threshold:** Not determined.
  - **pH-value:** Not applicable.

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

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Product is not flammable.

- **Self-igniting:** Not determined.

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

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

- **Vapour pressure:** Not applicable.

- **Density:** Not determined.

- **Relative density**
  - Not determined.

- **Vapour density**
  - Not applicable.

- **Evaporation rate**
  - Not applicable.
Safety data sheet  
according to 1907/2006/EC, Article 31  

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Revision: 22.06.2016  
Version number 1

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- **Solubility in / Miscibility with water:** 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 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**
    - Based on available data, the classification criteria are not met.
  - **Skin corrosion/irritation**
    - Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation**
    - Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation**
    - Based on available data, the classification criteria are not met.
  - **Germ cell mutagenicity**
    - Based on available data, the classification criteria are not met.
  - **Carcinogenicity**
    - Based on available data, the classification criteria are not met.
  - **Reproductive toxicity**
    - Based on available data, the classification criteria are not met.
  - **STOT-single exposure**
    - Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure**
    - Based on available data, the classification criteria are not met.
  - **Aspiration hazard**
    - 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. Smaller quantities can be disposed of with household waste.

- 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
  - Class: 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).

- UN "Model Regulation": Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I: None of the ingredients is listed.

- 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.

- 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
### Trade name: IPS Multi Wax Pattern Form A + B

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