### Section 1: Identification of the material and the Supplier

**Product identifier**  | IPS Empress Esthetic Veneer: Incisal Opal, Incisal, Chroma, Modifier, Brightener, Transparent, Add-On 770°C / 1418°F  
---|---  
**Product use**  | Leucite glass-ceramics Manufacture of dental prosthesis  
**Distributor information**  |  
**Company identification**  | Ivoclar Vivadent (NZ) Ltd  
**Address**  | 12 Omega Street, Rosedale, Auckland, New Zealand  
**Telephone Number**  | 0508 486 252  
**Emergencies within New Zealand**  | 0800 764 766 (National Poison Control Centre)

### Section 2: Hazards Identification

**Classification of the substance or mixture:**  
The substance is not classified according the CLP regulation.  
**Classification according to Regulation (EC) No 1272/2008**  
Not applicable.  
**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
Not applicable.  
**Information concerning particular hazards for human environment**  
Not applicable.  
**Label elements:**  
**Labelling according to Regulation (EC) No 1272/2008**  
Void.  
**Hazard pictograms**  
Void.  
**Signal word**  
Void.  
**Hazard statements**  
Void.  
**Additional information**  
Void.  
**Other hazards**  
Dust generation. Particular danger of slipping on leaked/spilled product.  
**Results of PBT and vPvB assessment:**  
**PBT**  
Not applicable.  
**vPvB**  
Not applicable.

### Section 3: Composition/Information on Ingredients

**Chemical characterization**  | Substances.  
**CAS No. Description**  | 66402-68-4 ceramic materials  
**Identification number(s):**  
**EC number**  | 266-340-9

### Section 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. In case of unconsciousness place patient stably in side position for transportation.
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. Mechanical effects only.

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.

Section 5: Fire Fighting Measures

Extinguishing media:

Suitable extinguishing agents
The product is not flammable.

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

Advice for firefighters:

Protective equipment
No special measures required.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Particular danger of slipping on leaked/spilled product.

Environmental precautions
No special measures required.

Methods and material for containment and cleaning up
Pick up mechanically. Ensure adequate ventilation.

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

Handling:

Precautions for safe handling
Only adequately trained personnel should handle this product. Prevent formation of dust. Ensure good ventilation/exhaustion at the workplace.

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
Keep container tightly sealed. Store in dry conditions.

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.

Control parameters:
Ingredients with limit values that require monitoring at the workplace

Not required.

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. Vacuum clean contaminated clothing. Do not blow or brush off contamination. Do not inhale dust/smoke/mist.

Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Recommended filter device for short term use

Filter P2.

Protection of hands

Not required.

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.

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

Information on basic physical and chemical properties:

General Information:

**Appearance:**

- **Form:** Powder
- **Colour:** According to product specification
- **Odour:** Odourless
- **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
- **Flammmability (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
- **Solubility in/Miscibility with water:** Insoluble
Partition coefficient (n-octanol/water) Not determined
Viscosity:
Dynamic Not applicable
Kinematic Not applicable
Other information No further relevant information available

Section 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 be avoid No further relevant information available.
Incompatible materials No further relevant information available.
Hazardous decomposition products None under normal conditions of storage and use.

Section 11: Toxicological Information
Information on toxicological effects:
Acute toxicity:
Primary irritant effect:
On the skin No irritant effect.
On the eye Mechanical effects only.
Sensitization No sensitizing effects known.
Additional toxicological information: The substance is not subject to classification according to the latest version of the EU lists.

Section 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 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
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

This product is not a Dangerous Good for Road and Rail transport in New Zealand according to NZS 5433 Safe Transport of Dangerous Goods.

Section 15: Regulatory Information

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

National regulations:

Other regulations, limitations and prohibitive regulations:

Chemical safety assessment:

The product is a medical device according to the EC-directive 93/42/EEC.

A Chemical Safety Assessment has not been carried out.

Section 16: Other Information

This document has been compiled by Ivoclar Vivadent Ltd on behalf of the manufacturer of the product and serves as the manufacturer’s Safety Data Sheet (‘SDS’). It is based on information concerning the product which has been provided to Ivoclar Vivadent (NZ) Ltd by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Ivoclar Vivadent (NZ) Ltd has taken all care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Ivoclar Vivadent (NZ) Ltd accepts no liability or any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS. The information herein is given in good faith, but no warranty, express or implied is made.

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