

Safety Data Sheet

Section 1: Identification of the material and the Supplier

Product identifier	IPS Empress Esthetic Speed Liquid
Product use	Auxiliary for dental technology
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:	
Classification according to Directive 67/548/EEC or Directive 1999/45/EC	Not applicable.
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.

Section 3: Composition/Information on Ingredients

Chemical characterization	Mixtures.
Description	Water/colloidal silica.
Dangerous components	Void.

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.
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.

Section 5: Fire Fighting Measures

Extinguishing media:

Suitable extinguishing agents The product is not flammable. Use fire extinguishing methods suitable to surrounding conditions.

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 Not required.

Environmental precautions No special measures required.

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.

Section 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 Protect from dust. 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 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. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Respiratory protection: Not required.

Protection of hands The glove material has to be impermeable and resistant to the product/the substance/the preparation.
After use of gloves apply skin-cleaning agents and skin cosmetics.

Material of gloves:	Butyl rubber, BR. Fluorocarbon rubber (Viton). Nitrile rubber, NBR. Natural rubber, NR. Chloroprene rubber, CR. Neoprene gloves.
Penetration time of glove material	The exact break through time has to be found out by 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	Fluid
Colour	Whitish
Odour	Odourless
Odour threshold	Not determined
pH-value at 20° C	9 - 10

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
Vapour pressure	Not determined
Density at 20° C	1.09 - 1.35 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in/Miscibility with water	Fully miscible
Partition coefficient (n-octanol/water)	Not determined

Viscosity:

Dynamic at 20° C	< 20 mPas
Kinematic	Not determined

Solvent content:

Organic solvents	0.0%
Water	70%
Other information	No further relevant information available

Section 10: Stability and Reactivity

Reactivity	No further relevant information available.
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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.

Section 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.

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.				
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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

Chemical safety assessment: 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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