

## Safety Data Sheet

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

<b>Product identifier</b>	<b>IPS Empress Esthetic Speed Powder</b>
Product use	Auxiliary for dental technology
<b>Distributor information</b>	
Company identification	<b>Ivoclar Vivadent (NZ) Ltd</b>
Address	12 Omega Street, Rosedale, Auckland, New Zealand
Telephone Number	0508 486 252
Emergencies within New Zealand	<b>0800 764 766 (National Poison Control Centre)</b>

### Section 2: Hazards Identification

Product is classified as hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

NZ Group Standard & EPA Approval Code                      Dental Products (Toxic [6.7])  
HSR002560



**Chronic**

Hazard Classification	Hazard Code	Hazard Statement
6.7A	H350	May cause cancer
6.9A	H372	Causes damage to organs through prolonged or repeated exposure
Prevention Code	Prevention Statement	
P103	Read label before use.	
P201	Obtain special instructions before use.	
P202	Do not handle until all safety precautions have been read and understood.	
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	
P264	Wash hands thoroughly after handling.	
P270	Do not eat, drink or smoke when using this product.	
P281	Use personal protective equipment as required.	
Response Code	Response Statement	
P308 + P313	IF exposed or concerned: Get medical advice/attention.	
P314	Get medical advice/attention if you feel unwell.	
Storage Code	Storage Statement	
P405	Store locked up.	
Disposal Code	Disposal Statement	
P501	Dispose of according to Local Regulations.	

### Section 3: Composition/Information on Ingredients

Chemical characterization	Mixtures.
Description	Mixture of substances listed below with non-hazardous additions.

#### Dangerous components:

CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO <sub>2</sub> )	Xn 48/20	50-100%
CAS: 1309-48-4 EINECS: 215-171-9	magnesium oxide	substance with a Community workplace exposure limit	10-25%

CAS: 14464-46-1  
EINECS: 238-455-4

cristobalite

Xn 48/20

10-25%

Additional information

For the wording of the listed risk phrases refer to section 16.

#### Section 4: First Aid Measures

Description of first aid measures:

After inhalation	Supply fresh air. Seek medical treatment 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	In case of fire, the following can be released: Nitrogen oxides (NOx). Ammonia.
Advice for firefighters:	
Protective equipment	No special measures required.

#### Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Avoid formation of dust. Ensure adequate ventilation. Use respiratory protective device against the effects of fumes/dust/aerosol.
Environmental precautions	Do not allow to enter sewers/surface or ground water.
Methods and material for containment and cleaning up:	Pick up mechanically.
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. Ensure that suitable extractors are available on processing machines. Prevent formation of dust.
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	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	1309-48-4 magnesium oxide WEL () Long-term value: 10* 4** mg/m <sup>3</sup> (as Mg) *inhalable dust **fume and respirable dust
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. Do not inhale dust/smoke/mist. Vacuum clean contaminated clothing. Do not blow or brush off contamination.
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. Filter P2. Filter P3.
Protection of hands	Not required.
Material of gloves	-
Penetration time of glove material	-
Eye protection	Safety glasses.

### Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:	
General Information:	
Appearance:	
Form	Powder
Colour	Light blue
Odour	Odourless
Odour threshold	Not determined
pH-value (10 g/l) at 20° C	~ 6
Change in condition:	
Melting point/Melting range	> 1400 °C
Boiling point/Boiling range	Undetermined
Flash point	Not applicable
Flammability (solid, gaseous)	Not determined
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 applicable

Density	Not determined
Bulk density at 20 °C	1100-1200 kg/m <sup>3</sup>
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	No irritating effect.
Sensitization	No sensitizing effects known.
Additional toxicological information:	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful.

#### 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	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
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.

European waste catalogue

16 03 03\* inorganic wastes containing dangerous substances

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

NZ Group Standard & EPA Approval Code Dental Products (Toxic [6.7])  
HSR002560

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	10 L (liquid) / 10 kg (solid)
Location Certificate	Not applicable
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	Not applicable
Emergency Response Plan Trigger Quantities	1,000 L (liquid) / kg (solid)

### Section 16: Other Information

Relevant R-phrases: R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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