

Safety Data Sheet

Section 1: Identification of the material and the Supplier

Product identifier	Vivaglass Liner (Liquid)
Product use	Light-curing glass ionomer cement
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

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

NZ Group Standard & EPA Approval Code Dental Products (Subsidiary)
HSR002558



Irritant

Hazard Classification	Hazard Code	Hazard Statement
6.3B	H316	Causes mild skin irritation
6.4A	H319	Causes serious eye irritation
6.5B	H317	May cause an allergic skin reaction
Prevention Code	Prevention Statement	
P103	Read label before use.	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.	
P264	Wash hands thoroughly after handling.	
P272	Contaminated work clothing should not be allowed out of the workplace.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
Response Code	Response Statement	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P321	Specific treatment see Section 4. First Aid Measures.	
P332 + P313	If skin irritation occurs: Get medical advice/attention.	
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.	
P337 + P313	If eye irritation persists: Get medical advice/attention.	
P363	Wash contaminated clothing before reuse.	
Storage Code	Storage Statement	
-	No storage statements.	
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: 868-77-9 EINECS: 212-782-2	2-hydroxyethyl methacrylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	25-50%
CAS: 9003-01-4	carbomer Eye Irrit. 2, H319	25-50%
CAS: 72869-86-4 EINECS: 276-957-5	urethane dimethacrylate Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	3-<10%
CAS: 109-16-0	triethylene glycol dimethacrylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	3-<10%

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; consult doctor in case of complaints.
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. Then 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 CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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 Do not allow to enter sewers/surface or ground water.

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

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 exposure to the light. Protect from heat and direct sunlight. Keep container tightly sealed.
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. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Keep away from foodstuffs, beverages and feed.
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.
Protection of hands	 <p>Protective gloves.</p> <p>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.</p>
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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
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.
Not suitable are gloves made of the following materials	Commercial medical gloves do not provide protection against the sensitizing effect of methacrylates.
Eye protection	Safety glasses.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:	
General Information:	
Appearance:	
Form	Fluid
Colour	Colourless
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)	Not determined
Self-igniting	Product is not self igniting
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	Fully miscible
Segregation 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 avoid	Protect from exposure to the light. Keep away from heat and direct sunlight.
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	Irritant to skin and mucous membranes.
On the eye	Irritating effect.
Sensitisation	Sensitisation possible through skin contact.
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: Irritant.

Section 12: Ecological Information

Toxicity:	
Aquatic toxicity	No further relevant information available.

Persistence and degradability	No further relevant information available.
Bio accumulative 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.

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 (Subsidiary)
HSR002558

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not applicable
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 phrases	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H412	Harmful to aquatic life with long lasting effects.

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