

## Safety Data Sheet

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

<b>Product identifier</b>	<b>Multilink Automix (Base)</b>
Product use	Self-curing resin-based dental luting material with light-curing option
<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 (Subsidiary)  
HSR002558



**Irritant**

<b>Hazard Classification</b>	<b>Hazard Code</b>	<b>Hazard Statement</b>
6.3A	H315	Causes skin irritation
6.4A	H320	Causes eye irritation
6.5B	H317	May cause an allergic skin reaction
<b>Prevention Code</b>	<b>Prevention Statement</b>	
P103	Read label before use.	
P261	Avoid breathing fume/vapours.	
P264	Wash hands thoroughly after handling.	
P272	Contaminated work clothing should not be allowed out of the workplace.	
P280	Wear protective gloves.	
<b>Response Code</b>	<b>Response Statement</b>	
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.	
P362	Take off contaminated clothing and wash before re-use.	
P363	Wash contaminated clothing before reuse.	
<b>Storage Code</b>	<b>Storage Statement</b>	
-	No storage statements	
<b>Disposal Code</b>	<b>Disposal Statement</b>	
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.		
<b>Dangerous components</b>			
CAS: 1565-94-2	Bis-GMA	Xi R36/38; Xi R43	1-<20%
CAS: 868-77-9 EINECS: 212-782-2	2-hydroxyethyl methacrylate	Xi R36/38; Xi R43	1-10%
CAS: 2867-47-2 EINECS: 220-688-8	2-dimethylaminoethyl methacrylate	Xn R21/22; Xi R36/38; Xi R43	<1%
Additional information	For the wording of the listed risk phrases refer to section 16 of safety data sheet.		

#### Section 4: First Aid Measures

Description of first aid measures:	
After inhalation	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
After skin contact	Rinse with water.
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	CO <sub>2</sub> , 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	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.
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. Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes and skin.
Respiratory protection	Not required.
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	Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.
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	Pasty
Colour	According to product specification
Odour	Characteristic
Odour threshold	Not determined
pH-value	Not determined
Change in condition:	
Melting point/melting range	Undetermined
Boiling point/boiling range	Undetermined
Flash point	Not applicable
Flammability (solid, gaseous)	Not applicable
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 determined
Density at 20 °C	2.05 g/cm <sup>3</sup>
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in/miscibility with water	Nearly insoluble
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic	Not determined
Kinematic	Not determined
Other information	No further relevant information available

#### Section 10: Stability and Reactivity

Reactivity	No further relevant information available.
Chemical stability	Photoreactive (Danger of polymerization). 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	No irritant effect.
On the eye	No irritating effect.
Sensitization	Sensitization 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.
Behaviour in environmental systems:	
Bio accumulative potential	No further relevant information available.
Mobility in soil	No further relevant information available.

