

Safety Data Sheet

Section 1: Identification of the material and the Supplier

Product identifier	FRC Postec Plus
Product use	Glass-fibre reinforced composite root canal post
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
6.3A	H315	Causes 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.
P362	Take off contaminated clothing and wash before re-use.
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 characterisation	Mixtures.
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Description	Glass-fibre reinforced composite root canal post.	
Dangerous components:		
CAS: 41637-38-1	ethoxylated bisphenol A dimethacrylate R53 Aquatic Chronic 4, H413	10-<25%
CAS: 13760-80-0 EINECS: 237-354-2	ytterbium trifluoride Xi R36/37/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	3-<10%
CAS: 1565-94-2	bisphenol A diglycidyl ether dimethacrylate Xi R36/38; Xi R43 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	3-<10%
CAS: 2082-81-7 EINECS: 218-218-1	tetramethylene dimethacrylate Xi R36/37/38; Xi R43 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	3-<10%
Additional information	For the wording of the listed phrases refer to section 16.	

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	Seek medical treatment.
After swallowing	If symptoms persist consult 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 ₂ , 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	No special measures required.
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

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	None.
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	13760-80-0 ytterbium trifluoride WEL Long-term value: 2.5 mg/m ³ as F
Additional information	The lists valid during the making were used as basis.
Exposure controls:	
Personal protective equipment:	
General protective and hygienic measures	Wash hands before breaks and at the end of work. Usual hygienic measures for dental practice. Keep away from foodstuffs, beverages and feed.
Respiratory protection	Not required.
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. 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.
Eye protection	Not required.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:	
General Information:	
Appearance:	
Form	Solid
Colour	Whitish
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
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	Insoluble
Partition coefficient (n-octanol/water)	Not determined
Viscosity:	
Dynamic	Not applicable
Kinematic	Not applicable
Solvent content:	
Solids content	100%
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	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.
Sensitisation	No sensitising effects known.

Section 12: Ecological Information

Toxicity:	
Aquatic toxicity	No further relevant information available.
Persistence and degradability	No further relevant information available.
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.
European waste catalogue	07 02 13 waste plastic
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)
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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.
	H413	May cause long lasting harmful effects to aquatic life.
	R36/37/38	Irritating to eyes, respiratory system and skin.
	R36/38	Irritating to eyes and skin.
	R43	May cause sensitisation by skin contact.
	R53	May cause long-term adverse effects in the aquatic environment.

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