


Safety Data Sheet

Trade Name: **TempCanal Enhanced**

1.0 Commercial Product Name and Supplier				
1.1	Commercial product name / designation		TempCanal Enhanced	
1.2	Application / Use		Dental material for use by dental professionals.	
1.2.2	SIC		851 Human health activity	
1.2.3	Use Category		55	
1.3	Manufacturer			
	Pulpdent Corporation		Telephone: 1 617 926-6666	
	80 Oakland Street, P.O. Box 780		Fax: 1 617 926-6262	
	Watertown, MA 02472 USA		Email: Pulpdent@pulpdent.com	
1.4	Emergency Telephone Number		1-800-535-5053 (24 Hour / USA)	
1.5	Authorized European Representative		Advena Ltd.	
			Pure Offices, Plato Close	
			Warwick, CV34 6WE	
			United Kingdom	
2.0 Hazards Identification				
2.1	Classification			
2.1.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Hazard Class	Hazard Category	Hazard Statement
		Skin irritation	2	H315
		Eye irritation	2	H319
2.1.2	Classification according to Directive 67/548/EEC	Irritant (Xi); R 36/38 (See SECTION 16 for full text of risk phrases)		
2.1.3	Classification according to WHMIS	D2: Irritant		
2.2	GHS Label Elements			
	Hazard Pictograms			
				
	Signal Word: WARNING			
	Restricted to use by dental professional only.			
	Hazard Statements			
	H319: Eye irritation. 2. May cause eye irritation.			
	H315: Skin irritation. 2. May cause skin irritation.			
	Precautionary Statements			
	P280: Wear protective gloves and eye protection			
	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If in eyes, rinse cautiously with water for several minutes.			
	P337+P313: If eye irritation persists, get medical advice/attention.			
	P302+P352: If on skin, wash with plenty of soap and water.			

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3.0	Composition				
3.1	Chemical characterization of the preparation		Calcium hydroxide suspended in a cellulose/water matrix.		
3.2	Hazardous ingredients				
	CAS Number	Name of the Ingredient	Concentration	Classification per 67/548/EEC	Classification per Regulation (EC) No.1272/2008 (CLP).
	1305-62-0	Calcium Hydroxide	25%	Irritant (Xi) R 36 / 38	Skin irritation; 2 Eye irritation; 2
4.0	First Aid Measures				
4.1	Special Instructions		Show this safety data sheet to medical personnel. Get medical attention in case of uncertainty. This product presents minimal hazard in the quantity of material provided and typically used. Only with prolonged exposure is it irritating to mucous membranes, eyes, skin, gastrointestinal tract or respiratory tract.		
4.2	Eye Contact		Keep eyelids apart; flush with running water for 15+ minutes. Get medical attention for persistent irritation.		
4.3	Skin Contact		Remove any contaminated clothing. Wipe off excess from skin. Immediately flush skin water. Get medical attention if irritation persists.		
4.4	Ingestion		Rinse mouth with water. Do not induce vomiting. Give large amounts of water to dilute. Get immediate medical attention for ingestion of large amount. Never give anything by mouth to an unconscious person.		
4.5	Inhalation		Move to fresh air. Administer artificial respiration as needed; seek medical attention.		
4.6	Precautions for first responders		Wear safety glasses and gloves to prevent contact.		
4.7	Information for physician				
	Symptoms		Irritation, pain or redness in eyes, on skin, on mucous membranes.		
	Hazards		May be irritating to eyes, skin, gastrointestinal tract or mucous membranes especially with prolonged exposure There is a risk of serious damage to eyes.		
	Treatment		Same as First Aid above.		
5.0	Fire Fighting Measures				
5.1	Suitable extinguishing media		Not a fire hazard. Extinguish fire with agent suitable for surrounding fire.		
5.2	Extinguishing media to avoid		None		
5.3	Special exposure hazards in a fire		None		
5.4	Special protective equipment: fire-fighters		Self-contained breathing apparatus		
6.0	Accidental Release Measures				
6.1	Personal precautions.		Wear gloves, lab coat and chemical splash goggles.		
6.2	Environmental precautions		None		
6.3	Method for clean up		Wipe up or absorb with paper towel. Wash area of spill with water-saturated paper towels or cloths. Place spilled material and absorbent towels in container for disposal.		

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7.0 Handling and Storage		
7.1	Handling	For use by dental professionals only. Wear gloves, safety glasses; wash hands after use. Avoid unnecessary exposure. Follow good hygiene practices. Do not smoke, eat or drink. Wash hands after use.
7.2	Storage	Keep tightly capped in original container. Store at cool room temperature. Avoid extremes of temperature (>27°C/80°F, <5°C/40°F) and acids.
7.3	Specific uses	Dental preparation used for cavity lining
8.0 Exposure Controls / Personal Protection		
8.1	Exposure limit values	Not applicable
8.2	Exposure controls	
8.2.1	Occupational exposure controls	Wear safety glasses, lab coat and gloves. No other equipment required under normal conditions of use of this product in the quantity provided.
8.2.1.1	Respiratory protection	Good general ventilation is sufficient to control any airborne vapors.
8.2.1.2	Hand protection	No special requirements other than the usual surgical gloves.
8.2.1.3	Eye protection	No special requirements other than the usual safety glasses.
8.2.1.4	Skin protection	No special requirements. Good personal hygiene and safety practices and wearing a lab coat should protect dental staff from unnecessary exposure.
8.2.1.5	Other controls	Emergency eye wash fountain should be close by. Wash hands after use.
8.2.2	Environmental exposure controls	Avoid release into environment; calcium hydroxide may cause pH variation.
9.0 Physical and Chemical Properties		
9.1	Characteristics	
9.1.1	Appearance /Color / Physical state	Thin white paste
9.1.2	Odor	Mild, characteristic
9.2	Important health, safety and environmental information	
9.2.1	pH	pH > 12
9.2.2	Boiling point	Decomposes
9.2.3	Flash point	Not combustible
9.2.4	Flammability (solid, gas)	Not combustible
9.2.5	Explosive properties	Not applicable
9.2.6	Oxidizing properties	Not determined
9.2.7	Vapor pressure	< 1 mm Hg (ld: A)
9.2.8	Specific gravity	1.470 g/ml
9.2.9	Solubility in water	Slight
9.2.10	Partition coefficient	Not determined
9.2.11	Viscosity	Not determined
9.2.12	Vapor density	Not determined

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9.2.13	Evaporation rate	Not determined
10.0	Stability and reactivity	
10.1	Conditions to avoid	Extremes of temperature (>27°C/80°F, <5°C/40°F).
10.2	Materials to avoid	Calcium hydroxide reacts violently with maleic anhydride, nitro-ethane, nitro-methane, nitro-paraffin, nitro-propane, phosphorus. As a strong alkali, it is incompatible with acids.
10.3	Hazardous decomposition products	Caustic fumes of calcium oxide when heated to decomposition.
10.4	Further information	Stable under normal conditions.
11.0	Toxicological information	
11.1	Acute toxicity	Not toxic. Minimal health hazard under normal conditions of use.
11.2	Irritation and corrosiveness	Minimal health hazard under normal conditions of dental practice. Prolonged exposure may cause irritation of mucous membranes, eyes, skin, gastrointestinal tract or respiratory tract.
11.3	Sensitization	Not applicable.
11.4	Sub-acute, sub-chronic and prolonged toxicity	Narrowing of the esophagus may occur weeks to years after ingestion of large quantities, making swallowing difficult. Persons with pre-existing skin conditions may be more susceptible to the irritating effects of calcium hydroxide
11.5	Carcinogenicity, Mutagenicity, Reproductive Toxicity	Not considered a carcinogen, mutagen or teratogen. Not toxic to the reproductive system.
11.6	Empirical data	Not available
11.7	Clinical Experience	Pulpdent calcium hydroxide preparations have been used safely and effectively by dental professionals since 1947.
12.0	Ecological Information	
12.1	Ecotoxicity	Not considered detrimental to water or soil. Avoid release into environment as calcium hydroxide may cause pH variation. Follow government regulations.
13.0	Disposal Considerations	
13.1	Regulations	Follow all local and national government regulations in disposing material or contaminated packaging.
14.0	Transport Information	
14.1	Restrictions	None. Not regulated.
14.2	UN Number	None
14.3	Technical name	Not applicable
14.4	Packing group	Not applicable
14.5	IATA class	Not applicable

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15.0 Regulatory Information		
15.1	EU Regulations	Class IIa medical device under MDD 93/42/EEC.
15.2	US FDA	Class II medical device
15.3	Health Canada	Class III medical device
16.0 Other information		
16.1	List of relevant R phrases	R36/38: Irritating to eyes and skin.
16.2	Hazard Statements	H319: Eye irritation. 2. May cause eye irritation. H315: Skin irritation. 2. May cause skin irritation.
16.3	Precautionary Statements	P280: Wear protective gloves and eye protection P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If in eyes, rinse cautiously with water for several minutes. P337+P313: If eye irritation persists, get medical advice/attention. P302+P352: IF ON SKIN, wash with plenty of soap and water.
16.4	Restrictions on use	TempCanal Enhanced is to be sold to and used by dental professionals only.
16.5	Further information	The information presented herein is believed to be factual as it has been derived from the works of persons believed to be qualified experts. However, nothing contained in this information is to be taken as a warranty or representation for which Pulpdent Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.
16.6	Sources of key data	National Institute for Occupational Safety (NIOSH) Occupational Safety and Health Administration (OSHA) Eur-Lex European Union Law: Regulation (EC) No. 1272/2008 (CLP) and Regulation (EC) No. 1907/2006 (REACH). Guidance on the compilation of safety data sheets. Version 1.1; December 2011. European Chemicals Agency
16.7	Information which has been added, deleted or revised.	This Safety Data Sheet has been revised to meet the requirements of the GHS SDS format, Regulations (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH). Specifically, Sections 2.1, 2.2, 3.2, 16.2, 16.3 have been modified.