


Safety Data SheetTrade Name: **Prep-Rite RC**

1.0 Commercial Product Name and Supplier				
1.1	Commercial product name / designation	Prep-Rite RC 15% EDTA Gel		
1.2	Application / Use	Dental chelating agent used to debride root canals.		
1.2.2	SIC	851 Human health activity		
1.2.3	Use Category	55		
1.3	Manufacturer, Importer			
1.3.1	Manufacturer			
	Pulpdent Corporation 80 Oakland Street P.O. Box 780 Watertown, MA 02472 USA	Telephone: 1 617 926-6666 / Fax: 1 617 926-6262 Email: Pulpdent@pulpdent.com		
1.4	Emergency Telephone Number	1-800-535-5053 (24 Hour / USA)		
1.5	Authorized European Representative			
	International Business Solutions Ltd. 54 Mayfield Ridge Hatch Warren, Basingstoke, RG22 4RS UK	Tel: 07989 407479 / Fax: 01256 350330 Email: s.williams5@btconnect.co.uk		
2.0 Hazards Identification				
2.1	Classification			
2.1.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statement</u>
	<i>Powder only</i>	Eye irritation	2	H319
	<i>Powder only</i>	Skin irritation	2	H315
2.1.2	Classification according to Directive 67/548/EEC <i>(See SECTION 16 for full text of risk phrases)</i>	Irritant (Xi) <i>(powder only)</i> ; R36/38		
2.2 Label Elements				
	Labeling according to Regulation (EC) No 1272/2008 [CLP]			
	Hazard Pictograms			
				
	Signal Word: Warning			
	Restricted to use by dental professional only			
	Hazard Statements:			
	Powder only			
	H319: Causes serious eye irritation. Category 2.			
	H315: Causes skin irritation. Category 2.			

Safety Data SheetTrade Name: ***Prep-Rite RC*****Precautionary Statements:**

P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352: If on skin, wash with plenty of soap and water.

3.0		Composition			
3.1	Chemical characterization of the preparation		17% aqueous solution of ethylenediaminetetraacetic acid		
3.2	Hazardous Ingredients				
	CAS Number	Name of the Ingredient	Concentration	Classification per 67/548/EEC	Classification per Regulation (EC) No.1278/2008 (CLP).
	60-00-4	Ethylenediaminetetraacetic acid	15%	Powder only Irritant (Xi) / R36/38	Powder only Eye irritation; Category 2 Skin irritation; Category 2
4.0		First Aid Measures			
4.1	General Information		Prep-Rite RC, buffered EDTA suspended in a viscous gel matrix, is non-hazardous. EDTA powder may cause mild, mechanical eye irritation or mild skin irritation. Powder may present as a nuisance dust. Show this safety data sheet to medical personnel. Get medical attention in case of uncertainty.		
4.2	Inhalation		Move person to fresh air. If effects occur, seek medical attention.		
4.3	Skin Contact		Wash skin thoroughly with soap and water.		
4.4	Eye Contact		Keep eyelids apart, flush with running water for 15+ minutes. Remove contact lenses after several minutes. Consult an ophthalmologist for persistent irritation		
4.5	Ingestion		Large amounts: contact Poison Control Center or physician. Induce vomiting only on medical advice.		
4.6	Precautions for first responders		Wear safety glasses and gloves. If a large amount of EDTA powder is present, wear a dust mask.		
4.7	Information for physicians				
	Symptoms		Mild irritation/redness in eyes or on skin after contact. Sneezing or coughing after inhalation of powder.		
	Hazards		EDTA powder may cause mild, mechanical eye irritation, mild skin irritation and sneezing or coughing on inhalation.		
	Treatment		Same as above under First Aid.		
5.0		Fire Fighting Measures			
5.1	Suitable extinguishing media		Whatever is appropriate for surrounding fire.		
5.2	Extinguishing media to avoid		Decision should be based on surrounding fire.		
5.3	Special exposure hazards in a fire		None		

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5.4 Special protective equipment for fire-fighters Usual protective equipment is sufficient.

6.0 Accidental Release Measures

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| 6.1 | Personal precautions. | Wear safety glasses, gloves, and lab coat. |
| 6.2 | Environmental precautions | Follow all government regulations. |
| 6.3 | Method for clean up | Absorb or wipe up liquid spill with suitable material (paper towels or disposable cloths). Collect for disposal in a covered container. Wash area of spill with soap and water.

Collect powder spill without dispersing into air. Place material in covered container. Wash area of spill with soap and water. |

7.0 Handling and Storage

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|-----|---------------|---|
| 7.1 | Handling | <i>For intraoral use only</i> by trained dental professionals. Follow good hygiene practices. Do not smoke, eat or drink while using. |
| 7.2 | Storage | Keep container closed. Store product in original container at cool room temperature (< 25°C). Shelf life for unopened product is two years from date of manufacture, provided proper storage. |
| 7.3 | Specific uses | Root canal lubricant and dental chelating agent |

8.0 Exposure Controls / Personal Protection

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|---------|---------------------------------|---|
| 8.1 | Exposure limit values | PEL: Not established. TLV: Not established. |
| 8.2 | Exposure controls | |
| 8.2.1 | Occupational exposure controls | No special equipment required. |
| 8.2.1.1 | Respiratory protection | None required for Prep-Rite RC. |
| 8.2.1.2 | Hand protection | No special requirements under normal conditions of use. |
| 8.2.1.3 | Eye protection | Safety glasses |
| 8.2.1.4 | Skin protection | Good personal hygiene, lab coat and gloves. Wash hands after use. |
| 8.2.1.5 | Other controls | Emergency eye wash fountain close by and maintained. |
| 8.2.2 | Environmental exposure controls | Follow all government regulations. |

9.0 Physical and Chemical Properties

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|-------|--|------------------------|
| 9.1 | Appearance / Color | |
| 9.1.1 | Color | White, translucent gel |
| 9.1.2 | Odor | None |
| 9.2 | Important health, safety and environmental information | |
| 9.2.1 | pH | 6.8 to 7.4 |
| 9.2.2 | Boiling point | Not determined |
| 9.2.3 | Flash point | Not applicable |
| 9.2.4 | Flammability (solid, gas) | Not applicable |
| 9.2.5 | Explosive properties | Not applicable |

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9.2.6	Oxidizing properties	Not applicable
9.2.7	Vapor pressure	Not determined
9.2.8	Specific gravity	1.102
9.2.9	Solubility in water	Soluble
9.2.10	Partition coefficient	Not determined
9.2.11	Viscosity	Not determined
9.2.12	Vapor density	Not determined
9.2.13	Evaporation rate	Not determined
10.0	Stability and reactivity	
10.1	Conditions to avoid	None known
10.2	Materials to avoid	Strong oxidizing agents
10.3	Hazardous decomposition products	Carbon monoxide, carbon dioxide, nitrogen oxides.
10.4	Further information	Stable material
11.0	Toxicological information	
11.1	Acute toxicity	Not toxic. Oral rat LD ₅₀ : 2000 mg/kg
11.2	Irritation and corrosiveness	May be irritating to eyes or skin on contact.
11.3	Sensitization	Not applicable
11.4	Sub-acute, sub-chronic and prolonged toxicity	None known
11.5	Carcinogenicity, Mutagenicity, Reproductive Toxicity	None known
11.6	Empirical data	Not available
11.7	Clinical experience	Using EDTA preparations as part of root canal treatment is a well-established (20+ years), industry-accepted, endodontic practice. EDTA gel is considered to be safe and effective treatment in the hands of a dental professional.
12.0	Ecological Information	
12.1	Ecotoxicity	Not toxic. Follow all government regulations.
13.0	Disposal Considerations	
13.1	Regulations	Follow all local and national government regulations.
14.0	Transport Information	
14.1	Restrictions	Non-hazardous material / Not regulated.
15.0	Regulatory Information	
15.1	EU	Class IIA medical device under MDD 93/42/EEC.
15.2	US FDA	Class II medical device
15.3	Health Canada	Class II medical device

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16.0	Other information	
16.1	List of relevant R phrases	R36, Irritating to eyes. R38, Irritating to skin.
16.2	Hazard Statements	H319: Causes serious eye irritation. Category 2. H315: Causes skin irritation. Category 2.
16.3	Precautionary Statements	P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+P352: If on skin, wash with plenty of soap and water.
16.4	Restrictions on use	Pulpdent products are for use 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) US 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 GHS SDS format and 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.