

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

075901202

N/A

MATERIAL SAFETY DATA SHEET: *PREP-RITE™ RC 17% EDTA GEL*

---

**IDENTITY**

Trade Name: *PREP-RITE™ RC 17% EDTA GEL*

Chemical Description: 17% Ethylenediaminetetraacetic acid in an aqueous gel

Product Use: Dental material used as a root canal lubricant and as a chelating agent.

**SECTION I**

*Pulpdent Corporation*

Phone Numbers

80 Oakland Street

24 Hour Emergency: 1-800-535-5053

Watertown, MA 02472 USA

Customer Service: 1-800-343-4342/1-617-926-6666

Date prepared: September 1, 2008

**SECTION II - INGREDIENTS**

*Ingredient*

*CAS Number*

Ethylenediaminetetraacetic acid

023411-34-9

DOT HAZARD CLASSIFICATION: Not regulated

WHMIS CLASSIFICATION: Not regulated

NFPA HMIS RATING: HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

Specific gravity: 1.102

Solubility in water: Soluble

Odor: None or mild characteristic

Appearance: Light orange gel

**SECTION IV - FIRE AND EXPLOSION HAZARD**

Flash point: None

Auto-ignition temperature: Not applicable

Flammable limits: Not applicable

Hazardous Combustion Products: Ammonia and nitrogen oxides under fire conditions.

Extinguishing Media: Water fog, alcohol foam, carbon dioxide, dry chemical

Special Fire Fighting Procedures: Positive pressure, self-contained breathing apparatus.

Unusual Fire and Exposure Hazards: None

**SECTION V - REACTIVITY DATA**

Stability: Stable

Conditions to avoid: None

Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: Ammonia and nitrogen oxides under fire conditions.

Hazardous Polymerization: Will not occur

Conditions to avoid: None

**SECTION VI - HEALTH HAZARD DATA**

*Summary of Acute Hazards:* Minimal health hazard under normal conditions of use.

*Route of Exposure*

*Signs and Symptoms*

Inhalation

None

Eye contact

May cause transient irritation.

Skin absorption

None

Skin contact

Non-irritating

Ingestion

None expected under normal conditions of use.

MATERIAL SAFETY DATA SHEET: *PREP-RITE™ RC 17% EDTA GEL*

---

*Summary of Chronic Hazards:* None known

Carcinogenicity	Not carcinogenic in long term animal studies.
Teratogenicity	None known
Mutagenicity	None known
Reproductive toxicity	None known

*Emergency First Aid Procedures*

Inhalation	Not applicable
Eye contact	Irrigate immediately with running water.
Ingestion	For large amounts: Induce vomiting only on medical advice.
Skin contact	Wash off with running water.

*SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE*

Handling and Storage Precautions: Not necessary

Released or spill: Wear gloves and safety glasses. Pick up with absorbent material, such as paper or cloth towels. Wash area of spill with water.

Waste Disposal Method: Follow all government regulations.

Other Precautions: Wash hands after use.

*SECTION VIII - CONTROL MEASURES*

Respiratory Protection: Not necessary under normal conditions of use.

Ventilation: No special ventilation required under normal conditions of use.

Protective Gloves: Recommended

Eye Protection: Safety glasses are recommended when normal conditions of use are anticipated.


Other Protective Clothing or Equipment: Emergency eye wash fountain should be close by and maintained.

Work / Hygienic Practices: Wash hands after use.

---

*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.*

**Safety Data Sheet**Trade Name: **Prep-Rite RC**

1.0 Commercial Product Name and Supplier				
1.1	Commercial product name / designation	<b>Prep-Rite RC 15% EDTA Gel</b>		
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	<b>Pulpdent Corporation</b> 80 Oakland Street, P.O. Box 780 Watertown, MA 02472 USA Telephone: 1 617 926-6666 / Fax: 1 617 926-6262 Email: <a href="mailto:Pulpdent@pulpdent.com">Pulpdent@pulpdent.com</a>		
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]	<u>Hazard Class</u> <i>Powder only</i> Eye irritation <i>Powder only</i> Skin irritation	<u>Hazard Category</u> 2 2	<u>Hazard Statement</u> H319 H315
2.1.2	Classification according to Directive 67/548/EEC	Irritant (Xi); R36/38 (See SECTION 16 for full text of risk phrases)		
2.2	<b>GHS Label Elements</b>			
	Hazard Pictograms			
				
	Signal Word: <b>Warning</b>			
	<b>Restricted to use by dental professional only</b>			
	<b>Hazard Statements:</b>			
	<i>Powder only</i>			
	H319: Causes serious eye irritation. Category 2.			
	H315: Causes skin irritation. Category 2.			
	<b>Precautionary Statements:</b>			
	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
	60-00-4	Ethylenediaminetetraacetic acid	15%	<i>Powder only</i> Irritant (Xi) / R36/38
				Classification per Regulation (EC) No.1272/2008 (CLP).
				<i>Powder only</i> Eye irritation; Category 2 Skin irritation; Category 2

**Safety Data Sheet**Trade Name: **Prep-Rite RC**

<b>4.0 First Aid Measures</b>		
4.1	General Information	<i>Prep-Rite RC</i> , buffered EDTA suspended in a viscous gel matrix, is non-hazardous. <i>EDTA powder</i> 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 <i>powder</i> may cause mild, mechanical eye irritation, mild skin irritation and sneezing or coughing on inhalation.
	Treatment	Same as above under First Aid.
<b>5.0 Fire Fighting Measures</b>		
5.1	Suitable extinguishing media	Decision should be based on surrounding fire.
5.2	Extinguishing media to avoid	Decision should be based on surrounding fire.
5.3	Special exposure hazards in a fire	None
5.4	Special protective equipment for fire-fighters	Usual protective equipment is sufficient.
<b>6.0 Accidental Release Measures</b>		
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 <i>liquid</i> spill with paper towels or disposable cloths. Collect for disposal in a covered container. Collect <i>powder</i> spill without dispersing into air. Wash area of spill with soap and water.
<b>7.0 Handling and Storage</b>		
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	Store tightly capped 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
<b>8.0 Exposure Controls / Personal Protection</b>		
8.1	Exposure limit values	PEL: Not established. TLV: Not established.
8.2	Exposure controls	

**Safety Data Sheet**Trade Name: **Prep-Rite RC**

8.2.1	Occupational exposure controls	No special equipment required.
8.2.1.1	Respiratory protection	None required
8.2.1.2	Hand protection	Surgical gloves.
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.
8.2.2	Environmental exposure controls	Follow all government regulations.

**9.0 Physical and Chemical Properties**

9.1	Characteristics	
9.1.1	Appearance / Color / Physical state	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
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 <sub>50</sub> : 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

**Safety Data Sheet**Trade Name: **Prep-Rite RC**

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..
<b>12.0</b>	<b>Ecological Information</b>	
12.1	Ecotoxicity	Not toxic. Follow all government regulations.
<b>13.0</b>	<b>Disposal Considerations</b>	
13.1	Regulations	Follow all local and national government regulations.
<b>14.0</b>	<b>Transport Information</b>	
14.1	Restrictions	Non-hazardous material / Not regulated.
<b>15.0</b>	<b>Regulatory Information</b>	
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
<b>16.0</b>	<b>Other information</b>	
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 1907/2006 (REACH). Specifically Sections 2.1, 2.2, 3.2, 16.2, 16.3 have been modified.