SAFETY DATA SHEETS

This SDS packet was issued with item:

075896485

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

070544536 075896493 075896501 271177013

Trade Name: EDTA Solution, 17%

1.0	Commercial Product Name and Supplier	
1.1	Commercial product name / designation	EDTA Solution, 17%
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: <u>Pulpdent@pulpdent.com</u>
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]	Hazard Class	Hazard Category	Hazard Statement
	Unincorporated powder only	Eye irritation	2	H319
	Unincorporated powder only	Skin irritation	2	H315
2.1.2	Classification according to Directive 67/548/EEC (See SECTION 16 for full text of risk phrases)	Irritant (Xi) (powder	r only); R36/38	

2.2 Label Elements

Labeling according to Regulation (EC) No 1272/2008 [CLP] Hazard Pictograms



Signal Word: Warning

Trade Name: EDTA Solution, 17%

Restricted to use by dental professional only

Hazard Statements:

Unincorporated powder only

H319: Causes serious eye irritation. Category 2.

H315: Causes skin irritation. Category 2.

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	Composi	tion			
3.1	Chemical	characterization of the preparation	17% aqued	ous solution of ethylenediamine	tetraacetic acid
3.2	Hazardou	s Ingredients			
	CAS Number	Name of the Ingredient	Concentration	Classification according to 67/548/EEC	Classification according to Regulation (EC) No.1278/2008 (CLP).
	60-00-4	Ethylenediaminetetraacetic acid	17%	Unincorporated powder only Irritant (Xi) / R36/38	Unincorporated powder only Eye irritation; Category 2 Skin irritation; Category 2
4.0	First Aid	Measures			
4.1	General I	nformation	EDTA, 17% so	olution is non-hazardous.	
			irritation. Power		al eye irritation or mild skin be dust. Show this safety data ntion in case of uncertainty.
4.2	Inhalation	1	Move person to fresh air. If effects occur, seek medical attention.		
4.3	Skin Con	tact	Wash skin tho	roughly 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.		er or physician. Induce vomiting
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	on for physicians			
	Symptom	S	Mild irritation/reafter inhalation		contact. Sneezing or coughing
	Hazards			may cause mild, mechanical error coughing on inhalation.	eye irritation, mild skin irritation
	Treatmen	ıt	Same as abov	e 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	
5.4	Special protective equipment for fire-fighters	Usual protective equipment is sufficient.	
6.0	Accidental Release Measures		
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		
7.1	Handling	For intraoral use only 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	Dental chelating agent used to debride root canals.	
8.0	Exposure Controls / Personal Protection		
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 under normal conditions of use of EDTA, 17% solution.	
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		
9.1	Appearance / Color		
9.1.1	Color	Clear, colorless liquid	
9.1.2	Odor	None	
9.2	Important health, safety and environmental infor	rmation	

Trade I	Trade Name: EDTA Solution, 17%		
9.2.1	pH	6.8 to 7.4	
9.2.2	Boiling point	212°F / 100°C	
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	1.000	
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 LD50: 2000mg/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	EDTA, 17% Solution has been on the market in the US and internationally for more than 15 years. Using EDTA 17% Solution as part of root canal treatment is a well-established (20+ years), industry-accepted, endodontic practice. EDTA 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 the MDD 93/42/EEC.
15.2	US FDA	Class II Medical Device
15.3	Health Canada	Class II Medical Device
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 the 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.

Pulpdent Corporation Revision Date: July 1, 2015

Safety Data Sheet

Trade Name: EDTA Solution, 17%

1.0	Commercial Product Name and Supplier	
1.1	Commercial product name / designation	EDTA Solution, 17%
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	
	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	Advena Ltd. Pure Offices, Plato Close Warwick, CV34 6WE United Kingdom
2.0	Hazarda Idantification	

2.0 H	lazards	Identific	ation
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2.1 Classification

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP] Eye irritation 2 H319
Unincorporated powder only Skin irritation 2 H315

2.1.2 Classification per Directive 67/548/EEC2.2 GHS Label Elements

Irritant (Xi) (powder only);R36/38 (Section 16 for full text of risk phrases)

GHS Label Elements
Hazard Pictograms



Signal Word: Warning

Restricted to use by dental professional only

Hazard Statements:
Unincorporated powder only

H319: Causes serious eye irritation. Category 2.

H315: Causes skin irritation. Category 2.

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.

	1 302 11 302. If on Skin, wash with plottey of Soup and water.				
3.0	Compo	Composition			
3.1	Chemical characterization of the preparation		17% aque	eous solution of ethylenediamine	tetraacetic acid
3.2	Hazardous Ingredients				
	CAS Number	Name of the Ingredient	Concent ration	Classification per 67/548/EEC	Classification per Regulation (EC) No.1272/2008 (CLP).
	60-00-4	Ethylenediaminetetraacetic acid	17%	Unincorporated powder only Irritant (Xi) / R36/38	Unincorporated powder only Eye irritation; Category 2 Skin irritation; Category 2

4.0	First Aid Measures	
4.1	General Information	EDTA, 17% solution is non-hazardous. EDTA <i>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.
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
5.4	Special protective equipment for fire-fighters	Usual protective equipment is sufficient.
6.0	Accidental Release Measures	
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	Liquid: Absorb or wipe up spill with paper towels or disposable cloths. Collect for disposal in covered container. Wash area 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	
7.1	Handling	For intraoral use only 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	Dental chelating agent used to debride root canals.

8.1 Exposure controls 8.2 Exposure controls 8.2.1 Occupational exposure controls 8.2.1.1 Occupational exposure controls 8.2.1.1 Respiratory protection None required under normal conditions of use of EDTA, 17% solution. 8.2.1.2 Hand protection Safety glasses 8.2.1.3 Exportation 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 9.1.1 Appearance /Color / Physical state Clear, coloriess liquid 9.1.2 Important health, safety and environmental instruction 9.2.1 Iph 6.8 to 7.4 9.2.2 Boiling point 212*F / 100*C 9.2.3 Flash point 8.0 to 3.0 to 4. 9.2.4 Flampability (solid, gas) Not applicable 9.2.5 Explosive properties Not applicable 9.2.6 Specific gravity 1.000 9.2.9	8.0	Exposure Controls / Personal Protection	
8.2.1.1 Occupational exposure controls No special equipment required. 8.2.1.1.2 Respiratory protection None required under normal conditions of use of EDTA, 17% solution. 8.2.1.3.2 Exprotection Safety glasses 8.2.1.4 Skin protection Good personal hyglene, lab coat and gloves. Wash hands after use. 8.2.1.5 Other controls Emergency eye wash fountain close by. 8.2.2.0 Environmental exposure controls Follow all government regulations. 9.1.2 Physical and Chemical Properties 9.1.3 Appearance /Color / Physical state Clear, coloriess liquid 9.1.2 Odor None 9.1.2 Inportant health, safety and environmental information 9.2.1 Input the health, safety and environmental information 9.2.2 Boiling poin! 4.8 to 7.4 9.2.2 Blash point 4.8 to 7.4 9.2.3 Flash point 4.0 applicable 9.2.4 Flammability (sold, gas) Not applicable 9.2.4 Specific gravity Not applicable 9.2.9 Specific gravity Not determined	8.1	Exposure limit values	PEL: Not established. TLV: Not established.
8.2.1.1 Respiratory protection None required under normal conditions of use. 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 Emergency eye wash fountain close by. 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 9.1.1 Appearance (Cotor / Physical state Clear, colorless liquid 9.1.2 Important health, safety and environmental information 9.2.1 Important health, safety and environmental information 9.2.2 Important health, safety and environmental information 9.2.1 Important health, safety and environmental information 9.2.2 Explosive properties Not applicable	8.2	Exposure controls	
8.2.1.2 Hand protection No special requirements under normal conditions of use. 8.2.1.3 Eye protection Safety glasses 8.2.1.5 Other controls Emergency eye wash fountain close by. 8.2.2 Environmental exposure controls Follow all government regulations. 9.0 Physical and Chemical Properties 9.1.1 Appearance (Cotor / Physical state Clear, colorless liquid 9.1.2 Odor None 9.1.2 Important health, safety and environmental information 9.2.1 IpH 6.8 to 7.4 9.2.2 Boiling point 21.2*F / 100*C 9.2.3 Flash point 21.2*F / 100*C 9.2.4 Flammability (solid, gas) Not applicable 9.2.5 Explosive properties Not applicable 9.2.5 Explosive properties Not determined 9.2.9 Specific gravity 1.000 9.2.9 Solubility in water Soluble 9.2.11 Vapor density Not determined 9.2.12 Vapor density Not determined 9.2.13	8.2.1	Occupational exposure controls	No special equipment required.
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. 9.0 Physical and Chemical Properties 9.1.1 Appearance /Color / Physical state Clear, colorless liquid 9.1.2 Odor None 9.1.3 Important health, Safety and environmental information 9.2.4 Important health, Safety and environmental information 9.2.3 Flash point 6.8 to 7.4 9.2.4 Pl 6.8 to 7.4 9.2.5 Explosive properties Not applicable 9.2.4 Flammability (solid, gas) Not applicable 9.2.5 Explosive properties Not applicable 9.2.6 Explosive properties Not applicable 9.2.9 Specific gravity 1.000 9.2.9 Specific gravity Not determined 9.2.1 Vascorificant Not determined 9.2.1 Vascorificant Not determined 9.2.1 Exp	8.2.1.1	Respiratory protection	None required under normal conditions of use of EDTA, 17% solution.
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 Clear, colorless liquid 9.1.2 Important health, safety and environmental information 9.2.1 Iph 6.8 to 7.4 9.2.2 Boiling point 212°F / 100°C 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 9.2.9 Solubility in water Solubile 9.2.11 Viscosity Not determined 9.2.12 Vapor density Not determined 9.2.13 Evapor density Not determined 9.2.1	8.2.1.2	Hand protection	No special requirements under normal conditions of 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 9.1.1 Appearance /Color / Physical state Clear, colorless liquid 9.1.2 Odor None 9.2 Important health, safety and environmental information Properties 9.2.1 pH 6.8 to 7.4 9.2.2 Boiling point 212°F / 100°C 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 9.2.9 Solubility in water Soluble 9.2.10 Valid pressure Not determined 9.2.11 Viscosity Not determined 9.2.12 Vapor density Not determined 9.2.13 Evaporation rate Not expressival properties 10.0	8.2.1.3	Eye protection	Safety glasses
8.2.2 Environmental exposure controls Follow all government regulations. 9.0 Physical and Chemical Properties 9.1 Characteristics 9.1.2 Appearance /Color / Physical state Clear, colorless liquid 9.1.2 Odor None 9.2.1 Important health, safety and environmental information 9.2.1 pH 6.8 to 7.4 9.2.2 Boiling point 212°F / 100°C 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 9.2.6 Oxidizing properties Not determined 9.2.7 Vapor pressure Not determined 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	8.2.1.4	Skin protection	Good personal hygiene, lab coat and gloves. Wash hands after use.
9.0 Physical and Chemical Properties 9.1 Characteristics 9.1.1 Appearance /Color / Physical state Clear, colorless liquid 9.1.2 Odor None 9.2 Important health, safely and environmental information 9.2.1 pH 6.8 to 7.4 9.2.2 Boiling point 2.12°F / 100°C 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 1.000 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	8.2.1.5	Other controls	Emergency eye wash fountain close by.
9.1 Characteristics 9.1.1 Appearance /Color / Physical state Clear, colorless liquid 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 212°F / 100°C 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 1.000 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 9.2.12 Vapor density Not determined 9.2.13 Evaporation rate Not general 10.0 Stabi	8.2.2	Environmental exposure controls	Follow all government regulations.
9.1.1 Appearance /Color / Physical state Clear, colorless liquid 9.1 Odor None 9.2 Important health, safety and environmental information 9.2.1 pH 6.8 to 7.4 9.2.2 Boiling point 212°F / 100°C 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 9.2.9 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 9.2.14 Viscosity Not determined 9.2.15 Evaporation rate Not environ 10.0 Stability and reactivity Corriging agents 10.1 Conditions to avoid None known	9.0	Physical and Chemical Properties	
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 212 ₱ / 100 ₱ C 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 determined 9.2.7 Vapor pressure Not determined 9.2.8 Specific gravity 1.000 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 10.4 Further information Stable material 11.0 Toxi	9.1	Characteristics	
9.2 Important health, safety and environmental information 9.2.1 pH 6.8 to 7.4 9.2.2 Boiling point 212°F / 100°C 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 deplicable 9.2.7 Vapor pressure Not determined 9.2.8 Specific gravity 1.000 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 m	9.1.1	Appearance /Color / Physical state	Clear, colorless liquid
9.2.1 pH 6.8 to 7.4 9.2.2 Boiling point 212°F / 100°C 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 1.000 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 11.2 Irritation and corrosiveness M	9.1.2	Odor	None
9.2.2Boiling point212°F / 100°C9.2.3Flash pointNot applicable9.2.4Flammability (solid, gas)Not applicable9.2.5Explosive propertiesNot applicable9.2.6Oxidizing propertiesNot applicable9.2.7Vapor pressureNot determined9.2.8Specific gravity1.0009.2.9Solubility in waterSoluble9.2.10Partition coefficientNot determined9.2.11ViscosityNot determined9.2.12Vapor densityNot determined9.2.13Evaporation rateNot determined10.0Stability and reactivity10.1Conditions to avoidNone known10.2Materials to avoidNone known10.3Hazardous decomposition productsCarbon monoxide, carbon dioxide, nitrogen oxides.10.4Further informationStable material11.0Toxicological informationStable material11.1Acute toxicityNot toxic. Oral rat LD50: 2000 mg/kg11.2Irritation and corrosivenessMay be irritating to eyes or skin on contact.11.3SensitizationNot applicable11.4Sub-acute, sub-chronic and prolonged toxicityNone known	9.2	Important health, safety and environmental inform	nation
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 determined 9.2.7 Vapor pressure Not determined 9.2.8 Specific gravity 1.000 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 11.1 Acute toxicity Not toxic. Oral rat LD50: 2000 mg/kg 11.2 Irritation and corrosiveness May be irritating to eyes or skin on contact. 11.3 Sensitization Not applicable <	9.2.1	рН	6.8 to 7.4
9.2.4Flammability (solid, gas)Not applicable9.2.5Explosive propertiesNot applicable9.2.6Oxidizing propertiesNot applicable9.2.7Vapor pressureNot determined9.2.8Specific gravity1.0009.2.9Solubility in waterSoluble9.2.10Partition coefficientNot determined9.2.11ViscosityNot determined9.2.12Vapor densityNot determined9.2.13Evaporation rateNot determined10.0Stability and reactivity10.1Conditions to avoidNone known10.2Materials to avoidStrong oxidizing agents10.3Hazardous decomposition productsCarbon monoxide, carbon dioxide, nitrogen oxides.10.4Further informationStable material11.0Toxicological information11.1Acute toxicityNot toxic. Oral rat LD50: 2000 mg/kg11.2Irritation and corrosivenessMay be irritating to eyes or skin on contact.11.3SensitizationNot applicable11.4Sub-acute, sub-chronic and prolonged toxicityNone known	9.2.2	Boiling point	212°F / 100°C
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9.2.6 Oxidizing properties 9.2.7 Vapor pressure 9.2.8 Specific gravity 9.2.9 Solubility in water 9.2.10 Partition coefficient 9.2.11 Viscosity 9.2.12 Vapor density 9.2.13 Evaporation rate 10.0 Stability and reactivity 10.1 Conditions to avoid 10.2 Materials to avoid 10.3 Hazardous decomposition products 10.4 Further information 11.0 Toxicological information 11.1 Acute toxicity 11.2 Irritation and corrosiveness May be irritating to eyes or skin on contact. 11.3 Sensilization None known Not applicable Not applicable Not determined Not applicable Not applicable None known	9.2.4	Flammability (solid, gas)	Not applicable
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 11.2 Irritation and corrosiveness 11.3 Sensitization 11.4 Sub-acute, sub-chronic and prolonged toxicity 11.5 May be irritating to eyes or skin on contact. 11.6 Not applicable 11.7 None known 	11.0	Toxicological information	
 11.3 Sensitization Not applicable 11.4 Sub-acute, sub-chronic and prolonged toxicity None known 	11.1	Acute toxicity	Not toxic. Oral rat LD50: 2000 mg/kg
11.4 Sub-acute, sub-chronic and prolonged toxicity None known	11.2	Irritation and corrosiveness	May be irritating to eyes or skin on contact.
	11.3	Sensitization	Not applicable
11.5 Carcinogenicity, Mutagenicity, Reproductive Toxicity None known	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 as part of root canal treatment is a well-established (20+
	olilitati experiente	years), industry-accepted, safe/effective endodontic practice.
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 the MDD 93/42/EEC.
15.2	US FDA	Class II medical device
15.3	Health Canada	Class II medical device
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 the 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.