

MATERIALSAFETY DATA SHEET: EDTA SOLUTION, 17 %

IDENTITY

Trade Name:	EDTA Solution, 17 %
Chemical Description:	17 % Ethylenediaminetetraacetic acid in aqueous solution
Product Use:	Dental chelating agent used to debride root canals

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, 2009	

SECTION II - INGREDIENTS

Ingredients	CAS Number	
Ethylenediaminetetraacetic acid	6381-92-6	
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: 1.00	Solubility in water: Soluble	pH: 7 ± 0.2
Odor: None	Odor Threshold: Not available	Appearance: Clear liquid

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash point: Not applicable Auto-ignition temperature: Not applicable

Flammable limits: Not applicable

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

Extinguishing Media: Water fog, alcohol foam, CO₂, 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, 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

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Ingestion None expected under normal conditions of use.

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. Seek medical care for persistent irritation.

Ingestion For large amounts: Consult physician.

Skin contact Wash off with running water.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storage Precautions: None needed.

Release or spill: Wear gloves and safety glasses. Pick up with absorbent material, such as paper or cloth towels.

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 under normal conditions of use.

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

Work / Hygienic Practices: Wash hands after use.

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