



MATERIAL SAFETY DATA SHEET

Revised/ Reviewed: July 24, 2003

ENDODILATOR

Dental chelating agent used to debride root canals.

Section 1- Product and Company Information

Manufactured by: Miltex, Inc.; 589 Davies Drive, York, PA 17402

Information: 717-840-9335, 717-840-9347 (fax)

Chemical Name & Synonyms: Ethylenediaminetetraacetic, Disodium Salt in water

Chemical Formula: C₁₀H₁₄O₈N₂Na₂

Section 2 – Composition/ Information on Ingredients

EDTA, Disodium Salt; CAS # 139-33-3); 14-17 % (w/v); TLV not established

Section 3 - Health Identification

Potential Health Effects: May be harmful if swallowed or inhaled. May irritate eyes, skin, and mucous membranes on contact.

Primary Route(s) of Entry: Ingestion

Carcinogen: NTP Program- Not Indicated IARC Program- N/I OSHA Program- N/I

Medical Conditions Aggravated by Exposure: No information available

HMIS Ratings: Health = 1; Flammability = 0; Reactivity = 0; PPE = B

Section 4 - First Aid Measures

Eyes: Flush with water for at least 15 minutes; seek immediate medical attention.

Skin: Remove any contaminated clothing and wash affected area with soap and water.

Ingestion: If conscious give 2 glasses of water and induce vomiting; seek immediate medical attention.

Inhalation: Move to fresh air. Give artificial respiration if breathing has stopped.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable (Non-flammable)

Auto Ignition Temperature: N/A

Flammable Limits- LEL: N/A

UEL: N/A

Extinguishing Media: Dry chemical

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing if necessary.

Unusual Fire and Explosion Hazards: Emits toxic fumes when heated to decomposition.

Section 6 - Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Clear and colorless.

Melting Point (°C): Not applicable

Specific Gravity (H₂O=1): Approximately 1

Vapor Pressure (mm Hg): Not established

Vapor Density (Air=1): Not established

Evaporation Rate (butyl acetate=1): Not established

Solubility in Water: Miscible

pH: Neutral

Section 7 – Stability and Reactivity

Stability: Stable

Conditions to Avoid: None known

Incompatibility/ Materials to Avoid: Strong oxidizing agents and reactive metals

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: May produce carbon and nitrogen oxides.

Section 8 – Accidental Release, Disposal, and Ecological Information

Spill Response: For small quantities, wear gloves and safety glasses. Pick up with absorbent material and containerize for proper disposal.

Waste Disposal Method: Dispose of in accordance with all applicable federal, state, and local regulations.

Ecological, General: This material is not expected to be harmful to the environment.

Section 9 – Exposure Controls/ Personal Protection

Eye Protection: Safety goggles under normal conditions of use; splash goggles whenever splashing may occur.

Respiratory Protection: None under normal conditions of use.

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

Skin Protection: Chemically impervious gloves

Other: --

Section 10 – Storage and Handling

Storage: Keep container tightly closed. Store in a cool, dry, well-ventilated area. Keep away from strong oxidizing agents and reactive metals.

Handling: Wash thoroughly after use.

Section 11 – Miscellaneous

Toxicological Information: EDTA Disodium Salt (anhydrous), LD₅₀ (oral, rat) 2000 mg/ kg

Transportation Information: Not a DOT Hazardous Material

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