



Safety Data Sheet

Section 1: Identification

Product Name: EDTA (17% Solution)

Product Use: Root canal chelating conditioner and cleanser

Manufacturer: Inter-Med, Inc. / Vista Dental Products

Address: 2200 Northwestern Ave., Racine, WI 53404

Phone: (877) 418-4782 **Fax:** (262) 636-9760

24 HR. Emergency Telephone Number CHEMTREC (North America) : 800-424-9300

24 HR. Emergency Telephone Number CHEMTREC (International) : +1 (703) 527-3887

Section 2: Hazard(s) Identification

2.1. GHS Classification:

| Health | Environmental | Physical |
|--|----------------|----------------|
| Skin Irritation – Category 3 – H316 Serious Eye Damage – Category 2B – H320 Acute Toxicity, Oral – Category 5 – H303 | Not Applicable | Not Applicable |

2.2. GHS Label:

OSHA HCS 2012



WARNING



| <i>Hazard Statements</i> | <i>Precautionary Statements</i> |
|---|---|
| H316: Causes mild skin irritation H320: Causes eye irritation H303: May be harmful if swallowed | P264: Wash hands thoroughly after handling P280: Wear protective gloves / eye protection 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. |

Refer to Section 15.2 for full text of EU Classifications and R/S Phrases.

Section 3: Composition/Information on Ingredients

| Chemical Components | CAS # | EINECS | Weight % |
|---|-----------|-----------|----------|
| Water | 7732-18-5 | 231-791-2 | 77% |
| EDTA (Disodium ethylenediaminetetraacetate dehydrate) | 6381-92-6 | unlisted | 17% |
| Proprietary Ingredients | N/A | unlisted | 6% |

Section 4: First-Aid Measures

4.1. Description of first aid measures

Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid, if irritation persists.

Skin Contact: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to high level of dusts or fumes, remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms develop.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an



unconscious person. Do not induce vomiting unless medical advice is given from a professional. Get medical aid if symptoms worsen.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Mild irritation/redness in eyes or on skin after contact.

4.3. Indication of immediate medical attention and special treatment needed

Consult a physician or contact Poison Control Center if chemical solution is ingested in large amounts. Physicians are required to treat victim symptomatically.

Section 5: Fire-Fighting Measures

5.1. Suitable Extinguishing Media:

Use dry chemical, foam, or carbon dioxide to extinguish fire.

5.2. Fire Fighting Procedures:

Do not flush down sewers or other drainage systems. Exposed firefighters must wear NIOSH-approved positive pressure, self-contained breathing apparatus with full-face mask and full protective clothing.

5.3. Unusual Fire and Explosion Hazards:

None.

5.4. Combustion Products:

Ammonia and nitrogen oxides under fire conditions.

Section 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment, and Emergency Procedures

Wear proper personal protective equipment as indicated in Section 8. Follow instructions listed in Section 6.3 to follow clean up procedures.



6.2. Environmental Precautions

Follow all government regulations for waste disposal. Prevent release to the environment if possible. Do not flush waste into sewer or waterways.

6.3. Methods and Materials for Containment and Cleaning Up

Small Spills: Wear gloves and safety glasses and pick up spill with absorbent material, such as paper towels or disposable cloths. Dispose absorbent material in suitable container and wash the exposed area with soap and water.

Large Spills: Wear proper protective equipment and absorb spill with inert, non-combustible material (e.g. vermiculite, sand, or earth). Dispose non-combustible material in suitable container and flush area with water.

Section 7: Handling and Storage

7.1. Handling

For intraoral use only by trained and experienced dental professionals. Follow good hygiene practices. Do not smoke, eat or drink while using. Use suitable protective equipment when handling. Wash thoroughly after handling and avoid any chemical contact with eyes, skin, and clothing. Keep container tightly closed to avoid inhalation or accidental ingestion. Use with adequate ventilation.

7.2. Storage

Store in a tightly closed container. Store container at room temperature in a cool, dry, well-ventilated area away from incompatible substances. Keep containers upright when not in use. Shelf life is thirty months from date of manufacture, provided that it is stored properly.

Section 8: Exposure Controls/Personal Protection

8.1. Exposure Limits / Engineering Controls

| Chemical Components | ACGIH | NIOSH | OSHA – Final PELs |
|---|---------------|---------------|-------------------|
| Water | Not available | Not available | Not available |
| EDTA (Disodium ethylenediaminetetraacetate dehydrate) | Not available | Not available | Not available |

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.



8.2. Personal Protective Equipment (PPE) Information

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin Protection: Wear appropriate protective gloves and lab coat to prevent skin exposure. Use good personal hygiene and wash hands after use.

Clothing Protection: Wear appropriate protective clothing to prevent skin exposure.

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9: Physical and Chemical Properties

9.1. Appearance / Color

Physical State: Liquid

Appearance: Clear, colorless liquid

Odor: Odorless or no characteristic odor

Odor Threshold: Not applicable

9.2. Important health, safety and environmental information

Flashpoint: Not applicable

Autoignition Temperature: Not applicable

Boiling Point: 100°C / 212°F

Melting Point: Not determined

Freezing Point: Not determined

Vapor Pressure: Not determined

Relative Density: Not determined

Vapor Density (Air=1): Not determined

Solubility in Water: Soluble

Decomposition Temperature: Not determined

Pour Point: Not applicable

Lower Flammability Limit: Not applicable

Upper Flammability Limit: Not applicable

Specific Gravity: ~ 1.1

Evaporation Rate (Water=1): Not applicable

Viscosity: Not determined

Octanol/Water Partition Coefficient: Not determined



pH: 8.5
Molecular Weight: Mixture

Section 10: Stability and Reactivity

Chemical Stability: Stable.

Hazardous Polymerization: Has not been reported.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide, ammonia and/or derivatives.

Incompatible Materials: Strong oxidizing agents.

Conditions to Avoid: Incompatible materials.

Section 11: Toxicological Information

11.1. Signs and Symptoms of Overexposure: Eye and skin irritation on contact.

Eye Contact: May cause eye irritation.

Skin Contact: May cause slight irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: May cause respiratory and digestive tract irritation.

11.2. Additional Toxicity Information

Target Organ(s): None known.

Chronic Effects: No information found.

Acute Toxicity: Not toxic.

Acute Toxicity Values

RTECS#:

CAS# 7732-18-5: ZC0110000



CAS# 6381-92-6: AH4410000

CAS# 139-33-3: AH4375000

LD₅₀/LC₅₀:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg;<BR.

CAS# 6381-92-6:<BR.

CAS# 139-33-3:

Oral, mouse: LD50 = 2050 mg/kg;

Oral, rabbit: LD50 = 2300 mg/kg;

Oral, rat: LD50 = 2 gm/kg;<BR.

Carcinogenicity:

CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 6381-92-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 139-33-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.

Other Studies: No data available.

Clinical Experience: EDTA, 17% solution has been in the global market for more than 15 years. EDTA, 17% solution has been used for root canal treatments for over 20 years. EDTA, 17% solution is industry-accepted and approved for endodontic practice. EDTA is considered to be safe and effective treatment when used by dental professionals.

Section 12: Ecological Information

Not established.

Section 13: Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.



RCRA U-Series: None listed.

To minimize exposure, refer to section 8 (exposure controls/personal protection).

Section 14: Transport Information

14.1. U.S. Department of Transportation (DOT) (N/A = Not applicable)

Proper Shipping Name: N/A

Identification Number: N/A

Hazard Class: N/A

Packing Group: N/A

U.S. DPT Labeling Requirements: N/A

IATA Class: N/A

IATA Packing Group: N/A

Non-hazardous material / Not regulated. Not a DOT controlled material (USA).

14.2. Other Transportation Information

By SEA (IMDG): Not regulated

By GROUND – Canada (TDG): Not regulated

By AIR (IATA): Not regulated

Section 15: Regulatory Information

15.1. U.S. Federal Regulations

U.S. – O.S.H.A. Status: This material is not hazardous under the criteria of the U.S. Federal Hazard Communication Standard.

TSCA

CAS# 7732-18-5 is listed on the TSCA inventory.

CAS# 6381-92-6 is not on the TSCA Inventory because it is a hydrate. It is considered to be listed if the CAS number for the anhydrous form is on the inventory (40CFR720.3(u)(2)).

CAS# 139-33-3 is listed on the TSCA inventory.

Health & Safety Reporting List



None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 6381-92-6: acute.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 6381-92-6 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 139-33-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

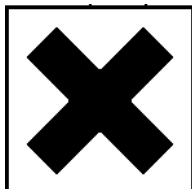
California: No Significant Risk Level: None of the chemicals in this product are listed.



15.2. European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbol(s) and Classification: "Xi" - Irritant



EU Risk (R) and Safety (S) Phrases:

R36/37/38: Irritating to eyes, respiratory system, and skin.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S28B: After contact with skin, wash immediately with plenty of water and soap.

WGK (Water Danger/Protection)

CAS# 7732-18-5: No information available.

CAS# 6381-92-6: 2

CAS# 139-33-3: 2

Canada - DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 6381-92-6 is listed on Canada's DSL List.

CAS# 139-33-3 is listed on Canada's DSL List.

Canada - WHMIS

WHMIS: Not available.

Canadian Ingredient Disclosure List



Section 16: Other Information

National Fire Protection Association (NFPA) Ratings (estimated): This information is intended solely for the use of individuals trained in the NFPA system.

Health: 0

Flammability: 0

Reactivity: 0

Disclaimer: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and does not relate to its use in combination with other materials or its use as to any particular process. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Inter-Med Inc. / Vista Dental Products be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Inter-Med Inc. / Vista Dental Products has been advised of the possibility of such damages.

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