



Safety Data Sheet

Section 1: Identification

Product Name: SmearOFF™

Product Use: Endodontic irrigant used to remove smear layer and to disinfect instrumented canal systems

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
Harmful if swallowed – Category 5 – H303 Causes mild skin irritation – Category 3 – H316 Causes eye irritation – Category 2B – H320	Not Applicable	Not Applicable

2.2. GHS Label:

OSHA HCS 2012



WARNING



<i>Hazard Statements</i>	<i>Precautionary Statements</i>
H303: May be harmful if swallowed. H316: Causes mild skin irritation. H320: Causes eye irritation.	P264: Wash skin thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P332+P313: If skin irritation occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention.

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 %
Tetrasodium ethylenediaminetetraacetate dihydrate	64-02-8	200-573-9	18%
P(AA/NaHSO ₃)	66019-18-9	unlisted	4%
Chlorhexidine Gluconate	18472-51-0	242-354-0	<1%
Sodium Hydroxide	1310-73-2	215-185-5	<1%
Surfactant Blend	N/A	unlisted	<1%

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. Obtain medical aid if redness or irritation persists for more than 30 minutes.

Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to



excessive levels if dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

Ingestion: Give large volumes of water. Do not induce vomiting. Consult a physician if ingested in large amounts.

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

Symptoms/Injuries: Irritation may be experienced to skin and eyes. Allergic reactions are possible. Can irritate the mouth, throat, and stomach if ingested.

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:

Foam, dry chemical, carbon dioxide (CO₂).

5.2. Fire Fighting Procedures:

Evacuate all personnel. Do not flush waste 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:

Thermal decomposition may produce toxic fumes of ammonia, hydrogen chloride, and oxides of carbon and nitrogen.

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 drains that may lead to waterways.

6.3. Methods and Materials for Containment and Cleaning Up

Small Spills: Wipe up small amounts with chemical resistant or damp rag which is washed with large amounts of water after each use. After cleaning, flush away traces with water.

Large Spills: Absorb with inert, damp non-combustible material, then 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. Use with adequate ventilation.

7.2. Storage

Store at room temperature. 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 – TLV*	NIOSH – REL*	OSHA – Final PELs*
Tetrasodium ethylenediaminetetraacetate dihydrate	unlisted	unlisted	unlisted
P(AA/NaHSO ₃)	unlisted	unlisted	unlisted
Chlorhexidine Gluconate	unlisted	unlisted	unlisted
Sodium Hydroxide	2 mg/m ³	2 mg/m ³	2 mg/m ³
Surfactant Blend	unlisted	unlisted	unlisted



* **TLV – Threshold Limit Value** (should not be exceeded at any time) / **REL – Recommended Exposure Limit** (should not be exceeded at any time) / **PEL – Permissible Exposure Limit** (averaged over an 8-hour workshift)

Engineering Controls: General ventilation recommended.

8.2. Personal Protective Equipment (PPE) Information

Eyes: 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: Wear suitable protective clothing and gloves.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respiratory: Good general ventilation should be sufficient to control airborne levels.

Section 9: Physical and Chemical Properties

9.1. Appearance / Color

Physical State: Liquid

Appearance: Clear color

Odor: None

Odor Threshold: Not applicable

9.2. Important health, safety and environmental information

Flashpoint: Not applicable

Autoignition Temperature: Not applicable

Boiling Point: Not determined

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: Not determined
Evaporation Rate (Water=1): Not applicable
Viscosity: Not determined
Octanol/Water Partition Coefficient: Not determined
pH: 8.0-9.0
Molecular Weight: Mixture

Section 10: Stability and Reactivity

Chemical Stability: Stable.

Hazardous Polymerization: None.

Hazardous Decomposition Products: Ammonia, hydrogen chloride, oxides of carbon and nitrogen.

Incompatible Materials: Strong oxidizing agents, strong alkalies and strong mineral acids.

Conditions to Avoid: None known.

Section 11: Toxicological Information

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

Eye Contact: May cause mild eye irritation.

Skin Contact: May cause slight irritation.

Section 12: Ecological Information

Not established.



Section 13: Disposal Considerations

Dispose of in compliance with governmental regulation (EC 1975LO442-20/11/2003).

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

Not a DOT controlled material (USA). Not regulated.

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.



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:

R36/38: Irritating to eyes and skin.

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: 1

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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