SAFETY DATA SHEETS

This SDS packet was issued with item: 073623816

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

073623808

Hema – Benz Desensitizer with Fluoride

General Information

Chemistry

Benzalkonium Chloride Sodium Fluoride Water HEMA

Function Stops dentinal fluid shifts by polymerization with proteins within the tubuli, providing a physiological seal

Shelf Life 36 months

Warning

Avoid contact with eyes, skin. If accidental contact occurs, FLUSH IMMEDIATELY WITH WATER. CONSULT A PHYSICIAN IMMEDIATELY IF EYE CONTACT OCCURS.

Storage Conditions:

For your convenience the manufacturing date is stamped on the Desensitizer box. Do not store above 77°F (25°C). Refrigeration is recommended if not used for a long period of time. Allow to return to room temperature prior to use. DO NOT FREEZE. For dental use only. Keep away from children.

DIRECTIONS FOR USE

APPLY DESENSITIZER TO THE DENTIN OF THE TOOTH TO BE RESTORED OR THAT HAS SENSITIVITY USING A GENTLE RUBBING MOTION FOR 30 SECONDS WITH A STERILE COTTON PELLET OR BRUSH APPLICATOR. DO NOT RINSE. Desensitizer is compatible with all restorative materials and may be used in all restorative situations.

Preparation

1. Prepare cavity area, if required

- 2. Place pulp protection, if desired, over areas very close to the pulp
- 3. Place pulp protector only where necessary
- 4. A dry tooth surface prior to application is not necessary. A moist surface is acceptable.

WHEN TO APPLY DESENSITIZER

Under Amalgam Restorations: Place after the tooth has been prepared, prior to placing amalgam. If using a bonding agent under an amalgam restoration, apply Desensitizer after removal of smear layer (usually accomplished by applying an acid etchant contained in the bonding system).

With Other Bonding Systems: Place Desensitizer after the dentinal smear layer has been removed (usually accomplished by applying an acid etchant contained in the bonding system). Desensitizer does not require removal of the smear layer in order to desensitizer, but most dentin bonding agents require removal in order to achieve a bond.

Under Glass Ionomers: Place Desensitizer prior to placement of the glass ionomer material. Leave tooth moist with Desensitizer when seating crown.

Under Non-Resin Bonded Restoration: At seating of temporary: Apply Desensitizer prior to application of temporary cement. At final seating: Apply after removal of temporary cement and cleaning of the tooth, prior to placement of permanent cement.

Under Resin Bonded Veneers, Inlays, Onlays, Crowns: At seating of temporary: Apply Desensitizer prior to application of temporary cement. At final seating: Place Desensitizer after smear layer has been removed (usually accomplished by applying and acid etchant contained in the bonding system). Desensitizer does not require smear layer removal in order to desensitize, but most dentin bonding agents require removal in order to achieve a bond.

After Root Planing/Perio treatment: Apply Desensitizer directly to the treated area with a gentle rubbing motion using a sterile cotton pellet.

Technique 1:

- 1. Providing the tooth is not too sensitive, clean the cervical area with pumice and rinse area with water.
- 2. Apply Desensitizer for 30 seconds with a cotton pellet, using a gentle rubbing motion.
- 3. Lightly blot or let air-dry. Do not rinse.
- 4. Repeat application if required.

Technique 2:

If area is too sensitive to clean with pumice:

- 1. Apply Desensitizer for 30 seconds using a gentle rubbing motion with a sterile cotton pellet.
- 2. Lightly blot dry or let air dry. Do not rinse.
- 3. Apply second application of Desensitizer.
- 4. Lightly blot dry or let air dry. Do not rinse.

5. If patient is no longer hypersensitive, apply Desensitizer again using Technique 1. In extreme cases where cervical sensitivity is a continuous problem, Desensitizer can be used with any moist bonding system.

NOTE: Clinical use has shown inconsistent, patient-specific results with desensitizing after root planning. In some cases, multiple applications with mechanical rubbing of Desensitizer provided better results.

MSDS Dated: January 1, 2012

Healthdent'l L.L.C. Naperville, Illinois 60563 1-800-845-5172

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communications Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements. Based on approved form OMB No. 1218-0072 Identity: Hema Benz® Desensitizer

SECTION

Manufactured For: Healthdent'l Naperville, IL 60563

SECTION II

Hazardous Components (Specific Chemical Identity; Common Name) Benzalkonium Chloride N-Alkyl (C₁₂₋₁₆)-N, N-Dimethyl N Hydroxyethyl methacrylate, HEMA, Benzylammonium Chloride, Hyamine 3500 Sodium Fluoride Water

SECTION III

Boiling Point: Undetermined Vapor Pressure (mmHg): Undetermined Solubility in Water: Very Soluble Appearance and Odor: Clear liquid with mildly pungent odor

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point (Method Used): >212°F (100°C) Extinguishing Media: Not a fire hazard Special Fire Fighting Procedures: Not a fire hazard Unusual Fire and Explosion Hazards: Not a fire hazard

SECTION V – REACTIVITY DATA

 Stability:
 Unstable:
 Conditions to Avoid

 Stable:
 Yes

 Incompatibility (Material to Avoid):
 Alkalies, free radical initiators, intense ultraviolet radiation

 Hazardous Decomposition or Byproducts:
 None

 Hazardous Polymerization:
 May Occur: Yes

 Will Not Occur:
 Will Not Occur:

SECTION VI – HEALTH HAZARD DATA

Route of EntrySkin: PossibleIngestion: PossibleEyes: PossibleHealth Hazards (Acute and Chronic):Skin, eye irritation followed by sloughing, possible allergic reactionCarcinogenicity: Not shownNTP: Not listedIARC: Not listedOSHA Regulated: NoSigns and Symptoms of Exposure:Red mucosal membranes, dermatitisMedical Conditions Generally Aggravated by Exposure: existing dermatitisEmergency First Aid Procedures: For skin exposure, flush with large volumes of water, then was with soap and water.For inhalation, contact physician and remove to fresh air.For ingestion, do not induce vomiting and contact physician immediately.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Handling of Accidental Material Release of Spillage: Use absorbent to contain. Waste Disposal Method: Follow federal, state, and local ordinances and regulations. Handling or Storage Precautions: Avoid skin, eye contact. Do not store in high heat areas. Other Precautions: Keep containers closed when not using the material to avoid spills

SECTION VIII - CONTROL MEASURES

Respiration Protection: Ventilation: Local Exhaust: Recommended Eye Protections: Recommended Other Protective Clothing or Equipment: Routine health care personnel garb is adequate Work/Hygienic Practices: Routine health personnel treatment procedures as commonly practices in the dental health care industry.

U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form)

Emergency Telephone Number: 800-845-5172 Information Telephone Number: 800-845-5172

Other Limits OSHA PEL 0.2 ppmv	ACGIH TLV 0.2 ppmv	Recommend %
1-2 ppmv	1-2 ppmv	

Specific Gravity (H₂O=1): -1.03 Melting Point: <0°C Evaporation Rate (Butyl Acetate=1): >Butyl Acetate

Flammable Limits: NA

Conditions to Avoid: Extreme prolonged heat