

Material Safety Data Sheet

MSDS DESIGN MEETS THE CRITERIA OF THE FEDERAL HAZARD COMMUNICATION RULE 29 CFR PART 1910.1200, ISSUED NOV. 25, 1983. STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

PRODUCT IDENTIFICATION — *HurriSeal*

Name on Label:	HurriSeal
Manufacturer's Name:	Beutlich L.P. Pharmaceuticals
Address:	1541 Shields Drive Waukegan, Illinois 60085-8304
Telephone Number:	(847) 473-1100
Emergency Number:	(800) 238-8542

HAZARDOUS INGREDIENTS:

A. Hazardous Chemicals

Chemical name//Common names

Hydroxyethyl Methacrylate//HEMA
Hyamine 3500//Hyamine 3500
Sodium Fluoride (.5%)//Sodium Fluoride

B. Carcinogenic Chemicals

Chemical name//Common names

None shown

PHYSICAL CHARACTERISTICS

Appearance and odor:	Clear to straw colored liquid with slightly pungent odor.
Melting point:	<0 degrees Celsius
Boiling point:	Undetermined
Specific gravity:	~1.03 (H ₂ O=1)
Vapor pressure:	Undetermined
Vapor density:	Undetermined
% volatiles by volume:	NF
Solubility in water:	Very soluble
Evaporation rate:	>Butyl acetate (Butyl acetate=1)
pH	Na
Single substance:	Mixture was not tested as a whole.

CHEMICAL REACTIVITY/CHARACTERISTICS

Reactivity with water:	None
Reactivity with common materials:	Alkalies, free radical initiators, intense ultraviolet radiation
Potential for polymerization:	May occur
Other:	Avoid prolonged exposure to extreme heat (may cause evaporation of water)
Hazardous decomposition products:	None noted.
Conditions to avoid:	Free radical initiators and extreme heat

FIRE AND EXPLOSION HAZARD INFORMATION

Flash point (degrees Celsius):	>100
Fire extinguishing media:	Not a fire hazard
Special fire fighting procedures:	Not a fire hazard
Unusual fire and explosion hazard:	Not a fire or explosion hazard
Flammable liquid:	LEL: NE UEL: NE

HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE:

Inhalation:	Possible, contact physician and remove to fresh air.
Skin contact/absorption:	Possible, flush with large volumes of water, then wash with soap and water.
Eye contact:	Possible, flush with large volumes of water, contact a physician.
Ingestion:	Possible, do not induce vomiting, contact a physician.
Signs and symptoms of exposure:	Red or inflamed mucosa, dermatitis.
Conditions aggravated by exposure:	Existing dermatitis

Carcinogenicity:	None shown
NTP:	Not listed
IARC monographs:	Not listed
OSHA regulated:	No

Precautions for safe handling and use:

Handling spillage: Use absorbent according to federal state and local ordinances and regulations.

HurriSeal®

Product Description

12 ml bottle (liquid)
Product number: 0283-0697-82
UPC 723797697825

Chemical Information

Contains: Benzalkonium Chloride
Hydroxyethyl Methacrylate (HEMA)
Sodium Fluoride (.5%)
Water

Function:

HurriSeal® is formulated with benzalkonium chloride, a fast-acting antimicrobial to rid the dentinal surface of residual bacteria, a major cause of sensitivity. It is soft tissue friendly and will not irritate the gingiva as products containing glutaraldehyde will. HEMA seals the tubules to produce a physiological barrier. Fluoride reduces root surface caries and remineralizes the dentin which provides long lasting desensitization.

Directions for Use:

HurriSeal® is an aqueous solution which has no photo-initiator in it. It does not need to be light cured. **HurriSeal** should be applied to all prepared teeth where the dentin is involved. It can be used successfully when applied independently in such cases as conventional amalgams, on crown preps before temporizing, and on areas of cervical sensitivity when used in conjunction with bonding adhesive systems and crown and bridge luting agents. **HurriSeal** can virtually eliminate post-operative sensitivity.

HurriSeal is an antimicrobial/wetting agent with fluoride. Many of the current generation bonding systems are hydrophilic and the application of primers to a moist surface is recommended. Thorough air drying of primers after the last coat is very important.

Preparation:

- Prepare area, if required
- Place pulp protection, if desired, over areas very close to the pulp. **Do not use eugenol containing products.** Place pulp protector only where necessary.
- A dry tooth surface prior to application is not necessary. A moist surface is okay.

A dental brush provides easy application. The following procedures are highly recommended:

1. Composite restorations — Most problems occur in posterior restorations, either Class I or Class II. The main problem is placing large amounts of light-cured composite (bulk fillings) on at one time, resulting in excessive polymerization shrinkage stress. Placing increments of 1.5 mm in thickness is extremely beneficial. Also involving only one wall of the prep at a time eliminates pulling on the cusps.

Bonding composite procedure — Total etch prep for the appropriate time to etch enamel and remove smear layer. After rinsing the preparation, the tooth should be dried enough to remove excess water. Never desiccate your prep! The dentin should appear slightly moist and then one generous coat of **HurriSeal** desensitizer is applied. **HurriSeal** is always applied after etching and before priming! Use a high speed evacuator (suction) tip to remove any puddling of the desensitizer in the proximal boxes and pulpal floor.

2. Amalgams
 - a. Conventional alloys — Apply **HurriSeal** to the dentin first and then apply base. Apply two coats of **HurriSeal**, air drying for 10-15 seconds after each coat.
 - b. Bonded alloys — If a bonding system is used, follow the basic composite bonding technique of etching the prep, moisten with **HurriSeal** and then apply primers.
3. Crown and Bridge
 - a. Glass ionomer cements — Apply **HurriSeal** prior to placement of the glass ionomer material. Leave tooth moist with **HurriSeal** when seating crown.
 - b. Before temporizing — Etching is not required, pumice first, then apply **HurriSeal** to your prep and air dry. Apply two coats, then cement temporarily.
 - c. Conventional cements (zinc phosphates and polycarboxylates) — Apply **HurriSeal** to a non-etched tooth and dry.
 - d. Resin cements — When used with a dentin bonding system, apply **HurriSeal** as you would composites; i.e., etch, moisten with **HurriSeal** and dry. Then cement crown.
4. Cervical sensitivity — standard technique — Clean prep with pumice and water. Gently blot the sensitive area with cotton pellet to remove excess moisture, apply **HurriSeal** rubbing it in gently for 20 seconds. Gently air dry and repeat two more times.
5. Scaling — Follow instructions for cervical sensitivity — standard technique.
6. Prevention of hypersensitivity before and after tooth bleaching and whitening — Clean prep with pumice and water if necessary. Gently blot the sensitive area with cotton pellet to remove excess moisture. Apply **HurriSeal** rubbing it in gently for 20 seconds. Gently air dry and repeat two more times. Note: No etching of cervical area is required unless a bonded restoration is being placed.
7. After root planing/periodontal treatment — Apply **HurriSeal** directly to the treated area with a gentle rubbing motion using a sterile cotton pellet.

Storage conditions:

Do not store above 77° F (25° C). Refrigerate if not used for long periods of time. Do not freeze. For dental use only.

Warning: Avoid contact with eyes and skin. If accidental contact occurs, flush immediately with water. Consult physician quickly if eye contact occurs.

For additional information about Beutlich products, visit our website at: <http://www.beutlich.com>. Call 800-238-8542 for technical support.



Beutlich

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