

Ferric Sulfate

Description:

Patterson Brand Ferric Sulfate is a 15.5% ferric sulfate equivalent solution in an aqueous vehicle and is designed to be used with a micro applicator and Patterson Brand Knitted Displacement Cord. This hemostatic is intended to only be used topically, by a licensed practitioner.

Indications:

Patterson Brand Ferric Sulfate is indicated for the arrest of surface capillary bleeding and may be used for a number of operative procedures. The most common indication is as a hemostatic/reactive agent for crown and bridge procedures.

Procedure:

Hemostasis:

Use the micro applicator dipped in hemostatic to firmly rub solution against bleeding tissue until bleed stops. Hemostasis is achieved primarily by the formation of coagulum plugs within the capillary orifices. The use of firm, but not overly aggressive rubbing will remove excess coagulum.

Adequate hemostasis has been achieved when tissue does not resume bleeding upon thoroughly rinsing from the air/water syringe or upon placement of impression syringe tip in the sulcus. When hemostasis is achieved, the formation of new coagulum will cease.

Cleaning:

Once hemostasis is achieved, thoroughly wash the preparation and dry. This will prevent the ferric sulfate from compromising the impression.

Packing:

Select an appropriate size cord. Knitted cord will compress upon packing, therefore use one size larger cord than conventionally used with twisted or braided cords. Sizes # 00, #0 and #1 are used for hemostasis around deep class III and V preparations and as a first cord in a two-cord retractive technique when placing veneers. Sizes #1 and #2 are used for retraction with size choice dependent on tissue firmness, friability, and degree of space desired.

Saturate the Patterson Brand knitted cord with hemostatic solution to optimize gingival tissue displacement. The interlocking loops of the knitted cord carry a greater volume of the hemostatic/displacement agent to the sulcus than conventional twisted or braided cords. This ensures that the cord will lock into place subgingivally, exerting a continuous gentle force on the gingival tissues to facilitate optimal sulcular space for subgingival access or impression material, without snagging the knitted loops. It is recommended that the knitted cord be placed wet or be saturated with hemostatic to optimize placement and tissue health.

Once cord placement is complete, thoroughly rinse the area of extraneous hemostatic solution to minimize exposure to tissues. Allow 2-3 minutes for optimal tissue displacement.

Remove cord from sulcus before making impression. Wash and dry.

Precautions:

Only use this hemostatic solution topically

Do not mix this ferric sulfate hemostatic with epinephrine or any epinephrine impregnated displacement cord. This could result in a temporary blue coloration. Do not use this hemostatic in conjunction with other agents, mixing ferric sulfate with aluminum chloride will render a solution more acidic than either one.

Because of the presence of iron, a temporary discoloration of the gingival tissues may appear but will disappear within 24-48 hours. Care should be taken when using this product. The hemostatic solution is yellow-colored and may temporarily stain, but is water soluble. It will not permanently discolor or stain enamel, dentin or gingiva. Some base materials stain on the surface but with no adverse effects. Some fabrics may stain with this hemostatic.

Do not use this product on patients with know allergy to ferric sulfate or with chemical hyper-sensitivities.

Do not use self-etching primers or self-etching primer/bonding systems (e.g., Clearfil Linner Bond 2 and ED primers for Panavia^{®1}) immediately after using this hemostatic solution if resultant coagulum has contaminated the dentin and enamel surfaces to be bonded without first scouring the surfaces with pumice and thoroughly washing. This is not necessary with conventional bonding systems that have a stand-alone etching step. It is also not necessary when using conventional glass ionomer, zinc phosphate, or similar cements.

PATTERSON BRAND
MATERIAL SAFETY DATA SHEET

Controlled Product Yes No

SECTION I - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING	
Material Name Patterson Brand Ferric Sulfate	Manufactured by Patterson Dental Supply, Inc. 1031 Mendota Heights Rd. St. Paul, MN 55120
Material Use Coagulative Hemostatic	Emergency Contact 1-800-552-5512 or 1-801-572-4200 (Outside USA)
Date May 14, 1998	EC Representative
Prepared by: Steve Jensen, Chemist	

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS			
Active Ingredients	Approximate Concentration %	LD ₅₀ /LC ₅₀ Specify Species and Route	C.A.S. N.A. or U.N. Numbers
Ferric Sulfate	15.5%	LD ₅₀ 601 mg/kg mouse – oral	10028-22-5

SECTION III - HAZARDS IDENTIFICATION	
Adverse Human Effects and Symptoms	Not defined.

SECTION IV - FIRST AID MEASURES	
Inhalation	N/A
Eye Contact	Flush with lots of water and consult a physician.
Skin Contact	Wash thoroughly with soap and water.
Ingestion	Give large volumes of water. Do not induce vomiting. Consult a physician if ingested in large amounts.

SECTION V - FIRE-FIGHTING MEASURES	
Flammability	If Yes, Under Which Conditions: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Means of Extinction	N/A
Protective Equipment for Firefighters	N/A

SECTION VI - ACCIDENTAL RELEASE MEASURES		SECTION VII - HANDLING AND STORAGE	
Personal & Environmental Precautions	Not defined.	Handling Precautions	N/A
Methods for Cleaning	Wipe up with cloth, soap, and water.	Storage Requirements	Room temperature.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION			
Respiratory Protection	N/A	Eye Protection	Protective eyewear.
Hand Protection	Latex gloves.	Skin Protection	Lab coat.

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES			
Appearance	Light amber	Solubility in Water	Completely.
Odor	Slight iron odor.	pH	~1
Melting Point/Range	N/A	Other Data	None.

SECTION X - STABILITY AND REACTIVITY		SECTION XI - TOXICOLOGICAL INFORMATION	
Chemical Stability	Conditions and Materials to Avoid Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Hazardous Decomposition Products	None.
Route of Entry	<input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input type="checkbox"/> Inhalation Acute <input type="checkbox"/> Inhalation Chronic <input checked="" type="checkbox"/> Ingestion	Effects and Symptoms of Short-Term Exposure	Skin: Slight irritation. Eye: Severe irritation.
Effects and Symptoms of Long-Term Exposure	Skin: Slight irritation. Eye: Severe irritation.	Chronic Effects and Symptoms of Long-Term Exposure	Skin: Slight irritation. Eye: Severe irritation.
Sensitization	N/A	Irritancy of Product	Moderate.

SECTION XII - ECOLOGICAL INFORMATION		SECTION XIII - DISPOSAL CONSIDERATIONS	
Biodegradability	Not defined.	Method of Waste Disposal	In accordance with government regulations.
Further Details	N/A		
SECTION XIV - TRANSPORT INFORMATION		SECTION XV - REGULATORY INFORMATION	
No limitations.		Not defined.	

SECTION XVI - OTHER INFORMATION			
FOR DENTAL USE ONLY. Use as directed. The information and recommendations are taken from sources (raw material MSDS(s) and manufacturer's knowledge) believed to be accurate; however, Ultradent Products, Inc., makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.			

Key:



Use by Date



Do Not Reuse

REF Catalog Number



Batch Code



See Instructions For Use

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