

SUPER SEAL®

Instructions for Use

General Information

Chemistry

Oxalic Acid, Potassium Salt

Shelf Life

24 Months

Function

Super Seal® is a potassium oxalate based, acid resistant, liner and desensitizer that should be applied with a cotton pellet prior to restoration of the tooth surface or for general root sensitivity.

Warning

Avoid contact with eyes. If contact occurs, flush immediately with water and seek medical advice. Federal law restricts the sale of this product to licensed healthcare professionals.

For dental use only.

Storage Conditions

Store at room temperature. **Do not refrigerate.** Must be at room temperature for twenty-four (24) hours or heat to 100° F before using.

NOTE:

Super Seal® may be used with many of today's adhesive systems. If there is a question regarding the application of **Super Seal®** with a system, contact the system's manufacturer or Phoenix Dental.

PLEASE CONTACT PHOENIX DENTAL, INC. WITH ANY QUESTIONS.
CALL (877) 463 – 9905 TOLL-FREE OR (810) 750-2328.

European Community Authorized Representative:



EMERGO EUROPE

Molenstraat 15
2513 BH, The Hague
The Netherlands
Tel: + 31 (0)70 345 8570
Fax: +31 (0)70 346 7299



Phoenix Dental, Inc.
3452 West Thompson Road
Fenton, MI 48430
USA



(877) 463 – 9905 toll free or (810) 750 – 2328
www.phoenixdental.com

SUPER SEAL® LINER / DESENSITIZER

Super Seal® assists in removal of the smear layer, seals the tubules, desensitizes and functions as a re-wetting agent, all in one quick step. **Super Seal®** is a unique formula that demineralizes the organic and mineral debris of the smear layer and the outer most ring of peritubular dentin (the very hard mineralized dentin of each tubule complex) and restructures the demineralized material as a calcium oxalate precipitate within two (2) minutes. **Super Seal®** creates an acid resistant lining layer bound both to the surface as well as into the dentinal tubules. **Super Seal®** may be applied to a moist surface. **Super Seal®** will not harm soft tissue.

Directions for Use (Bottle Application)

1. Place 1 to 2 drops of **Super Seal®** in the small end of a clean Dappen Dish. More may be used depending on the clinical use and your personal restorative consideration.
2. Using forceps with a sterile cotton pellet or microsponge saturate the applicator end with the **Super Seal®**.
3. Gently rub the saturated end over the affected area or cavity restoration surface for at least 5 seconds or slightly longer as you wish so as to completely cover the entire tooth area. **Super Seal®** will not irritate any of the gingival or pulp tissues.
4. Once **Super Seal®** desensitizer solution is spread over all of the intended tooth tissue area, DO NOT DRY WITH A HARD BLAST OF AIR – The syringe air-tip must not be closer than 5-inches (13 cms) to the tooth- **Super Seal®** interface. PLEASE – only gently air-disperse for no more than 3-secs. You may leave the tooth surface moist for your bonding since **Super Seal®** does not alter the tooth collagen substrate. No light curing is needed. Any appearance of an opaque frosty-white surface indicates the chemical chelating reaction has occurred with blockage of the dentine tubule complex.

Clinical Uses of Super Seal®

- For all crown preparations with eugenol-containing cements and non-eugenol temporary cements.
- Rubbed around the crown margins following the use of astringents. Due to its acidic nature, **Super Seal®** is useful in removing temporary cement from the tooth surface following the temporization phase.
- On root cementum and exposed roots that are sensitive to temperature or air stimuli.
- **Super Seal®** is compatible with many of today's adhesive bonding systems, and zinc phosphate cement or glass ionomer.
- On the dentin of all cavity preparations for amalgam alloys and resin composite restorations.
- On all prepared tooth structure (vital dentin), both before and after all prophylaxis treatments (scaling & root planing).
- Following all bleaching procedures either in office (power and assisted) or take home systems.
- Following periodontal surgery.
- Because **Super Seal®** is a water based product, it can also be used as a re-wetting agent.
- As a diagnostic aid to assist in differentiating between reversible pulpitis (hyperemia) and irreversible pulp inflammation. **Super Seal®** will positively affect dentin problems (fluid flow mechanism) by sealing the tubules and preventing fluid flow movement in the tubules.


MATERIAL SAFETY DATA SHEET

I - PRODUCT IDENTIFICATION

Company Name:  PHOENIX DENTAL, INC.

Address: 3452 West Thompson Road
Fenton, Michigan 48430
USA



Telephone Numbers:  (877) 463 - 9905 toll-free or (810) 750 - 2328

Website: www.phoenixdental.com

Product Name: **Super Seal[®]**
Product Numbers: **REF** 100298, 100295, 100294, 100293-S and 100291-S

Synonyms: Oxalic Acid, Potassium Salt

II - HAZARDOUS INGREDIENTS OF MIXTURES (ND = Not determined)

MATERIAL:	OSHA PEL	ACGIHTLV
Oxalic Acid	ND	ND

III - PHYSICAL DATA (NA = Not applicable)

Vapor Pressure: mm Hg:	NA	Vapor Density (air = 1):	NA
Evaporation Rate (ether = 1):	NA	% Volatile by volume:	NA
Solubility in H ₂ O:	Slightly Soluble	Appearance:	Clear
Boiling Point:	NA	Odor:	NA
Specific Gravity (H ₂) -1):	1.01		

IV - FIRE AND EXPLOSION

Flash Point:	NONE	Flammable Limits:	NONE
Extinguishing Media:	NONE		
Special Fire Fighting Procedures:	NONE		
Unusual Fire and Explosion Hazards:	NONE		

V - REACTIVITY DATA

Stability:	Stable at room temperature Unstable or conditions to avoid: Freezing or Extreme Heat
Incompatibility:	NA
Hazardous Decomposition Products:	NONE
Hazardous Polymerization:	NONE

VI - HEALTH HAZARDS

OSHA Permissible Exposure Limits: NONE
ACGIH Threshold Exposure Limits: NONE
Other Exposure Limit Used: NONE
A. Acute Overexposure: Irritation to eyes and skin
B. Chronic, Other: NONE

Medical Conditions generally aggravated by exposure: NONE KNOWN
Hygienic Practices: NONE
Primary Route (s) of Exposure: Skin, Eyes, Ingestion
Chemicals listed as carcinogen or potential carcinogen: Not Listed

VII - EMERGENCY AND FIRST AID PROCEDURES

Skin: Wash the affected area with water and rinse.
Ingestion: Rinse mouth several times and expectorate.
Seek immediate medical attention.
Eyes: Rinse immediately with plenty of water and seek medical advice.
Inhalation: Exit to Fresh Air.

VIII - SPILL OR LEAK PROCEDURES

Spill Management: Use absorbent to collect the material.
Wash the area with Soap and Water.
Waste Disposal Methods: Follow Federal, State and Local Ordinances and Regulations.

IX - PROTECTION INFORMATION

Respiratory: None Required
Eye Protection: Safety Glasses or Goggles
Glove: Rubber or PVC Gloves
Other Clothing and Equipment: None
Ventilation: None Required

X - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Store at room temperature; DO NOT REFRIGERATE.



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