

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.

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®** on the small end of a clean Dappen dish. More may be needed depending on the size of the tooth area or restoration.
2. Use a micro-sponge or a new small sterile cotton pellet, and saturate it with **Super Seal®**.
3. Gently rub the saturated applicator on the area or prepared dentin for at least thirty (30) seconds. Be sure to saturate the area well.
4. Use a gentle disbursement of air from approximately five (5) inches above the treated surface for approximately twenty (20) seconds. If not using air disbursement, allow the area to air dry for approximately one (1) to two (2) minutes. The field may be left moist for wet bonding. **Do not rinse or use a hard blast of air as it will force air bubbles into or remove the material from the tubules.** You may note a **frosty-white** surface or precipitate. This is the acid-resistant mineral layer that blocks fluid movement and dentin sensitivity due to temperature and air stimuli.

Directions for Use (Unit Dose Application)

1. With one hand pinch tube firmly at line until compressed.
2. With other hand, hold applicator handle at base and bend downward until seal is broken.
3. Gently twist until handle is detached from tube.
4. Use swab to apply to teeth as needed.
5. Use a gentle disbursement of air from approximately five (5) inches above the treated surface for approximately twenty (20) seconds. If not using air disbursement, allow the area to air dry for approximately one (1) to two (2) minutes. The field may be left moist for wet bonding. **Do not rinse or use a hard blast of air as it will force air bubbles into or remove the material from the tubules.** You may note a **frosty-white** surface or precipitate. This is the acid-resistant mineral layer that blocks fluid movement and dentin sensitivity due to temperature and air stimuli.

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.

Revision Number: 7

Revision Date: 06/01/2009

Approved By: On File

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, (810) 750 - 2328
Website: www.phoenixdental.com

Product Name **Super Seal®**
Product Numbers: 100298, 100295, 100294, 100293-S, 100291-S, and 100290-UD
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 H2O: Slightly Soluble	Appearance: Clear
Boiling Point: NA	Odor: NA
Specific Gravity (H2) -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: YES at room temperature
Unstable: 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

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Other Exposure Limit Used: NONE

A. Acute Overexposure: Irritation to eyes and skin

B. Chronic, Other: None

***SUPER SEAL*[®]**

Medical Conditions generally aggravated by exposure: NONE KNOWN

Hygienic Practices: NONE

Primary Route (s) of Exposure: Skin, Eyes, Ingestion

Chemical listed as carcinogen or potent 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.

Phoenix Dental Inc.

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Fenton, Michigan 48430

USA

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