

## Caries Finder Red Instructions 88153 REV D

Caries Finder™ is a patented 1% Acid Red 52 solution in a propylene glycol base. Caries Finder assists the clinician in identifying and removing the outer, unsavable infected dentin while minimizing the loss of inner, savable soft dentin.

Through the extensive research of Dr. Takao Fusayama and other dental researchers, the existence of two distinct layers of soft dentin have been observed. The outer soft dentin is infected, unremineralizable with irreversibly denatured collagen, non-vital and non-sensitive. The inner soft dentin is uninfected, remineralizable with reversibly denatured collagen. Optimally, the outer soft dentin should be removed while the maximum inner non-infected is preserved.

If softness and discoloration are used as the sole guide to caries removal, excessive inner non-infected dentin will necessarily be removed. As Caries Finder only stains the outer infected dentin, Caries Finder provides the clinician with an invaluable guide to help ensure that all the outer infected dentin is removed and the maximum amount of inner dentin is preserved.

## APPLICATION INSTRUCTIONS

Caries Finder is generally used in the following manner:

1. Make conservative cavity access.
2. Wash and dry carious dentin.
3. Dispense one or two drops of Caries Finder into a dampen dish and apply to cavity with a brush or sponge.
4. Wait five seconds and rinse with water.

Remove red stained outer infected dentin.

Note: When using Caries Finder, the following procedures should be followed to optimize caries removal.

- a. Only remove the non-sensitive red stained tissue. Use care to avoid cutting the sensitive non-stained tissue.
- b. A low-speed rotary instrument should be used for carious dentin removal since the frictional heat generated by the high-speed drill may cause pain before all of the stained outer carious dentin is removed.

Repeat steps 2 - 5 until outer carious dentin is removed and no staining continues.

## CAUTIONS

n To avoid cross-contamination, do not dispense Caries Finder directly from the bottle to the cavity. Instead use an applicator sponge or brush.

n Caries Finder may stain clothing and skin. In the event Caries Finder is accidentally spilled, immediate washing with soap and water will reduce the extent of any staining.

n If Caries Finder is accidentally spilled in the eye or an open wound, flush with generous amounts of water and seek medical assistance.

## STORAGE AND SHELF LIFE

n Caries Finder should be stored below 25OC/77OF when not in use.

n Do not store near extreme heat sources or in direct sunlight.

n Caries Finder has a two year shelf life when stored properly.

## Material Safety Data

### SECTION 1 - Product Identification MSDS No. CF01

Company Name: Danville Materials

2021 Omega Road

San Ramon, CA 94583

Phone: (800) 822-9294

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Prepared: January 8, 2002

### SECTION II - Hazardous Ingredients of Mixtures

material

Propylene Glycol

Acid Red 52

### Section III - PHYSICAL DATA

(ND = Not DETERMINED) (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: Moderately water soluble Boiling Point: 188O C

Specific Gravity (H2O=1): 1.04 Appearance: Red liquid

Odor: NA

### SECTION IV - FIRE AND EXPLOSION

Flash point: > +99OC

Flammable Limits: NA

Extinguishing Media: Carbon dioxide, foam, dry chemical

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

### SECTION V - REACTIVITY DATA

Stability: Stable (x) Unstable( )

Conditions to avoid: Prolonged extreme heat.

Incompatibility: (Materials to avoid) ND  
Hazardous Decomposition Products: None  
Hazardous Polymerization: May Occur ( ) Will not occur (x)  
Conditions to Avoid: Extreme Heat

#### SECTION VI - HEALTH HAZARDS

OSHA Permissible Exposure Limit: None  
ACGIH Threshold Exposure Limit: None  
Other Exposure Limit Used: None  
Chronic, Other: None  
Acute Overexposure: Irritation to eyes and skin. Allergic skin reaction possible.  
May cause nausea, headache, and gastrointestinal disturbances.  
Medical Conditions Generally Aggravated by Exposure: None known  
Hygienic Practices: None  
Primary Route(s) of Exposure: Skin, eye, ingestion  
Chemical Listed as Carcinogen or Potential Carcinogen: Not listed

#### SECTION VII - EMERGENCY AND FIRST AID PROCEDURES

Skin: Wash affected area with soap and water.  
Ingestion: Rinse mouth and seek immediate medical advice.  
Eyes: Rinse immediately with plenty of water and seek medical advice.  
Inhalation: Exit to fresh air.

#### SECTION VIII - SPILL OR LEAK PROCEDURES

Spill Management: Use absorbent to collect the material. Wash contaminated surfaces with soap and water.  
Waste Disposal Methods: Dispose of safely in accordance with local, state and federal regulations.

#### SECTION IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: None required  
Eye Protection: Safety Goggles  
Gloves: Rubber/PVC gloves  
Ventilation: None required  
Other Clothing and Equipment: None

#### WARRANTY

If for any reason you are not satisfied with this product you may return it within 30 days from the sale date for a complete refund. The product purchase price will be refunded, however, no refund shall be made for shipping and handling charges. Danville will replace any product which is proved to be defective. Danville does not accept any liability for any loss or damage, direct, consequential or special arising out of the use or inability to use this product. Prior to use, the user shall determine the suitability of use for this product.

Manufactured and distributed by:

Danville Materials

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