

# Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 02.11.2015

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## Caries Finder™ Red

### SECTION 1 : Identification of the substance/mixture and of the supplier

**Product name:** Caries Finder™ Red  
**Manufacturer/Supplier Trade name:** Caries Finder™ Red  
**Manufacturer/Supplier Article number:** 89159  
**Recommended uses of the product and restrictions on use:** No additional information

#### Manufacturer Details:

Danville Materials  
3420 Fostoria Way Suite A200  
San Ramon, CA 94583

#### Supplier Details:

Danville Materials  
3420 Fostoria Way Suite A200  
San Ramon, CA 94583

#### Emergency telephone number:

ChemTrec Inc 1-800-424-9300, 703-527-3887 (CHEMTREC)

### SECTION 2 : Hazards Identification

**Classification of the substance or mixture:** Not classified for physical or health hazards under GHS.

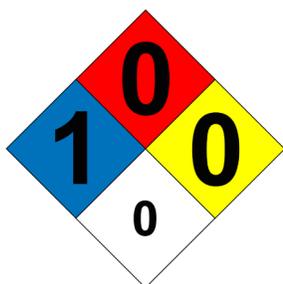
**Signal word :** None

**Hazard statements:** None

**Hazards not otherwise classified (HNOC):** May cause irritation of skin and eyes.

**Other Non-GHS Classification:**

#### NFPA/HMIS



NFPA SCALE (0-4)

0=Minimal Hazard; 1=Slight Hazard; 2=Moderate Hazard; 3=Serious Hazard; 4=Sever Hazard.

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

### SECTION 3 : Composition/information on ingredients

Ingredients:		
CAS#	Description	Wt. %
CAS 3520-42-1	Acid Red 52	>1%
CAS 57-55-6	Propylene Glycol	<100%

Percentages are by weight

**Caries Finder™ Red****SECTION 4 : First aid measures****Description of first aid measures**

**After inhalation:** Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Get medical assistance if cough or other symptoms appear.

**After skin contact:** Rinse/flush exposed skin gently using soap and water for 15-20 minutes. Seek medical advice if discomfort or irritation persists. Allergic skin reaction possible.

**After eye contact:** Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

**After swallowing:** Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

**Most important symptoms and effects, both acute and delayed:**

Irritation. Headache. Nausea. Shortness of breath.

**Indication of any immediate medical attention and special treatment needed:**

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

**SECTION 5 : Firefighting measures****Extinguishing media**

Suitable extinguishing agents: Use water spray, fog, or mist, foam, dry chemical, or carbon dioxide (CO<sub>2</sub>)

For safety reasons unsuitable extinguishing agents: None identified.

**Special hazards arising from the substance or mixture:**

Thermal decomposition can lead to release of irritating gases and vapors.

**Advice for firefighters:**

**Protective equipment:** Wear protective eyewear, gloves, and clothing. Refer to Section 8. Use NIOSH-approved respiratory protection/breathing apparatus.

**Additional information (precautions):** Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing.

**SECTION 6 : Accidental release measure****Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation. Ensure that air-handling systems are operational.

**Environmental precautions:**

Should not be released into environment. Prevent from reaching drains, sewer, or waterway.

**Methods and material for containment and cleaning up:**

Always obey local regulations. Containerize for disposal. Refer to Section 13. Keep in suitable closed containers for disposal.

Clean small spills with hydrogen peroxide, sodium hypochlorite, or detergent and warm water and a towel. Flush contaminated area thoroughly with water.

**Reference to other sections:** No additional information.

**SECTION 7 : Handling and storage****Precautions for safe handling:**

Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods.

Refer to Section 13. Do not eat, drink, smoke or use personal products when handling chemical substances. Avoid heat and direct sunlight. To avoid cross-contamination, do not dispense Caries Finder directly from the bottle to the cavity. Instead use

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an applicator sponge or brush.

**Conditions for safe storage, including any incompatibilities:**

Store in a cool location. Keep away from food and beverages. Provide ventilation for containers. Keep container tightly sealed. Caries Finder has a three year shelf life. Do not store near extreme heat sources or in direct sunlight.

**SECTION 8 : Exposure controls/personal protection**



**Control Parameters:**

No applicable occupational exposure limits.

**Appropriate Engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. No special protective equipment required under normal conditions of use. Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

**Respiratory protection:**

Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a back up to engineering controls. When necessary use NIOSH approved breathing equipment.

**Protection of skin:**

Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used technique without touching outer surface. Avoid skin contact with gloves. Wear protective clothing.

**Eye protection:**

Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses or goggles are appropriate eye protection.

**General hygiene measures:**

Perform routine housekeeping. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Before wearing wash contaminated clothing.

**SECTION 9 : Physical and chemical properties**

<b>Appearance (physical state, color):</b>	Red liquid	<b>Explosion limit lower; Explosion limit upper;</b>	Not applicable Not applicable
<b>Odor:</b>	Not Available	<b>Vapor pressure:</b>	Not applicable
<b>Odor threshold:</b>	Not determined	<b>Vapor density:</b>	Not Determined
<b>pH-value:</b>	Not Determined	<b>Relative density:</b>	Not Determined
<b>Melting/Freezing point:</b>	Not Determined	<b>Solubilities:</b>	Moderately soluble in water.

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<b>Boiling point/Boiling range:</b>	188 °C	<b>Partition coefficient (n-octanol/water):</b>	Not Determined
<b>Flash point (closed cup):</b>	Not Determined	<b>Auto/Self-ignition temperature</b>	Not Determined
<b>Evaporation rate:</b>	Not Determined	<b>Decomposition temperature:</b>	Not Determined
<b>Flammability (solid, gaseous)</b>	Not Determined	<b>Viscosity:</b>	Not Determined
<b>Density:</b> Not Determined			

## SECTION 10 : Stability and reactivity

**Reactivity:** Nonreactive under normal conditions.

**Chemical stability:** Stable under normal conditions.

**Possible hazardous reactions:** None under normal processing.

**Conditions to avoid:** Incompatible materials.

**Incompatible materials:** Strong acids, alkalis, and oxidizing agents.

**Hazardous decomposition products:** Partial burning produces fumes, smoke and carbon monoxide.

## SECTION 11 : Toxicological information

**Acute Toxicity:** No additional information.

**Chronic Toxicity:** No additional information.

**Corrosion Irritation:** No additional information.

**Sensitization:** No additional information.

**Single Target Organ (STOT):** No additional information.

**Numerical Measures:** No additional information.

**Carcinogenicity:** No additional information.

**Mutagenicity:** No additional information.

**Reproductive Toxicity:** No additional information.

## SECTION 12 : Ecological information

**Ecotoxicity:** Not determined.

**Persistence and degradability:** Not determined.

**Bioaccumulative potential:** Not determined.

**Mobility in soil:** Aqueous solutions expected to have high mobility in soil .

**Other adverse effects:** None identified.

## SECTION 13 : Disposal considerations

**Waste disposal recommendations:**

Dispose of empty containers as unused product. Product or containers must not be disposed with household garbage. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waster regulations. Ensure complete and accurate classification.

## SECTION 14 : Transport information

**UN-Number:** Not Regulated.

**UN proper shipping name:** Not Regulated.

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**Transport hazard class(es):** Not Applicable.

**Packing group:** Not Applicable.

**Environmental hazard:** Not Applicable.

**Transport in bulk:** Not Applicable.

**Special precautions for user:** Not Applicable.

**SECTION 15 : Regulatory information****United States (USA)****SARA Section 311-312 (Specific toxic chemical listings):**

None of the ingredients are listed.

**SARA Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

**RCRA (hazardous waste code):**

None of the ingredients are listed.

**TSCA (Toxic Substances Control Act):**

All ingredients are listed.

**CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):**

None of the ingredients are listed.

**Proposition 65 (California):****Chemicals known to cause cancer:**

None of the ingredients are listed

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed

**Chemicals known to cause developmental toxicity:**

None of the ingredients are listed

**Canada****Canadian Domestic Substances List (DSL)**

All ingredients are listed

**Canadian NPRI Ingredient Disclosure list (limit 0.1%):**

None of the ingredients are listed

**Canadian NPRI Ingredient Disclosure list (limit 1%):**

None of the ingredients are listed

**SECTION 16 : Other information**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**Note:** The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

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**GHS Full Text Phrases:**

**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

PNEC: Predicted No-Effect Concentration (REACH)

CFR: Code of Federal Regulations (USA)

SARA: Superfund Amendments and Reauthorization Act (USA)

RCRA: Resource Conservation and Recovery Act (USA)

TSCA: Toxic Substances Control Act (USA)

NPRI: National Pollutant Release Inventory (Canada)

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

Effective date: 06.16.2015

Last updated: 06.16.2015