

## Light Green Counterstain, 0.04%

### 1. Identification

**Product Name:** Light Green Counterstain, 0.04%

**Item #:** SSC1091

**Synonyms:** N/A

**Recommended Use:** Special Stains

**Restrictions on Use:** N/A

**Manufacturer:**

 Cancer Diagnostics, Inc.  
 116 Page Point Circle  
 Durham, NC 27703  
 1-877-846-5393

**In Case of Emergency:**

 Chemtec US 1-800-424-9300  
 Infotrac International 1-352-323-3500

### 2. Hazards Identification

**OSHA Hazard Classification(s):**

 Skin Irritation - Category 2  
 Eye Irritation - Category 2A

**Signal Word:** Warning

**Hazard Statement(s):** Causes skin irritation. Causes serious eye irritation.

**Pictogram(s):**

**Precautionary Statement(s):** Prevention: Wash body thoroughly after handling. Wear protective gloves. Wear eye protection, face protection.

Response: If on skin: Wash with plenty of water. Specific treatment (see first aid section on this label). If skin irritation or rash occurs: Get medical attention. Take off all contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing If eye irritation persists: Get medical attention.

Storage: N/A

Disposal: N/A

**Descriptions of Hazards not otherwise classified:** N/A

**Percent of mixture with unknown acute toxicity:** N/A

### 3. Composition and Information on Ingredients

Chemical Name	Common Name	CAS #	Concentration %
Water		7732-18-5	Trade Secret
Light Green		5141-20-8	Trade Secret
Glacial Acetic Acid		64-19-7	Trade Secret
Thymol		89-83-8	Trade Secret

### 4. First Aid Measures

**Eye Contact:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin Contact:** If on skin (or hair): Take off immediately all contaminated clothing and wash before reuse. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

**Inhalation:** Remove to fresh air; give artificial respiration if breathing has stopped. Get medical advice/attention if you feel unwell.

**Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

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**Symptoms:** Irritation eyes, nose, throat; headache, dizziness

**Recommendations for immediate medical care/special treatment:** Get medical advice/attention if you feel unwell.

### 5. Fire- Fighting Measures

**Extinguishing Media:** Dry chemical, carbon dioxide, alcohol foam, water.

**Fire Hazards (Chemical):** Not flammable.

**Special Protective Equipment:** Fire fighters should use self-contained breathing apparatus and protective clothing.

**Precautions for Firefighters:** Fire fighters should use self-contained breathing apparatus and protective clothing.

### 6. Accidental Release Measures

**Emergency Procedures:** Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

**Protective Equipment:** See section 8

**Environmental Precautions:** Prevent release to the environment by using barriers.

**Containment and Clean-Up Procedures:** Use barriers to prevent spreading. Collect spill in container. Call waste authorities.

### 7. Handling and Storage

**Handling:** Do not breathe vapors. Do not eat, drink or smoke when using this product.

**Storage:** Store in a well-ventilated place. Keep cool. Keep lid tightly closed.

### 8. Exposure Controls/Personal Protection

**OSHA Permissible Exposure Limits (PELs):**

Reagent	CAS #	OSHA PEL TWA
Glacial Acetic Acid	64-19-7	10ppm

**ACGIH Threshold Limit Values (TLVs):**

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
Glacial Acetic Acid	64-19-7	10ppm	15ppm

**Engineering Controls:** Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.

**Personal Protective Measures:** Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.

**Special PPE Requirements:** If ventilation hood not available wear respirator.

### 9. Physical and Chemical Properties Section

**Appearance:** Green, Liquid

**Molecular Weight:** N/A

**Molecular Formula:** N/A

**pH:** 3.0-3.3

**Boiling Point and Boiling Range:** N/A

**Melting Point/Freezing Point:** N/A

**Flash Point:** N/A

**Specific Gravity/Relative Density:** N/A

**Odor:** Vinegar

**Odor Threshold:** N/A

**Color:** Green

**Flammability (solid/gas):** N/A

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Vapor Density: N/A  
Upper/Lower flammability or explosive limits: N/A  
Vapor Pressure: N/A  
Evaporation Rate: N/A  
Partition Coefficient: n-octanol/water: N/A  
Viscosity: N/A  
Auto-ignition temperature: N/A  
Solubility: N/A  
Decomposition Temperature: N/A

### 10. Stability and Reactivity

Reactivity: N/A  
Chemical Stability: Stable  
Conditions of Stability/Instability: N/A  
Stabilizers needed: None  
Safety issue indicated by appearance change: N/A  
Other: N/A  
Hazardous Reactions: N/A  
Hazardous Polymerization: Does not occur  
Conditions to avoid: N/A  
Classes of Incompatible Materials: Oxidizers, Strong Acids, Strong Bases  
Hazardous Decomposition Products: Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (I.e. Carbon monoxide) may be released in a fire.

### 11. Toxicological Information

#### Likely Routes of Exposure

Eyes: Irritation.  
Skin: Irritation.  
Inhalation: Dizziness, headache.  
Ingestion: Nausea.

Signs or Symptoms of Exposure: Nausea.

Effects from short term exposure (delayed, immediate, chronic): Irritation to the eyes, nose, throat; headache, dizziness, nausea.

Acute Toxicity (Numerical Measures): Glacial Acetic Acid: LD50 (mammal, skin)=1060mg/kg; LD50 (rabbit, skin)=1060 mg/kg; LC50(inhalation, mouse)=5620 ppm/1H; LC50(inhalation, mouse)=5620 mg/m<sup>3</sup>/1H

Carcinogenicity (NTP, IARC, OSHA): Light Green: IARC Group 3 "Not classifiable as to its carcinogenicity to humans"

### 12. Ecological Information

Ecotoxicity: Acute Aquatic Effects Data for 100% Glacial Acetic Acid 96 h LC-50 (fathead minnow): > 100mg/L 48 h LC-50 (golden orfe): 410 mg/L 48 h LC-50 (mosquito fish): 251 mg/L 96 h LC-50 (daphnid): > 100 mg/L Thymol: Toxicity to fish: LC50 - Pimephales promelas (fathead minnow) - 3.2-4.2 mg/l 96.0h ; Toxicity to daphnia and other aquatic: EC50 - Daphnia magna (water flea) - 1.7-3.2 mg/l 96.0h

Persistence and degradability: N/A

Bioaccumulation Potential (octanol-water partition coefficient, BCF): Oxygen Demand Data for 100% Glacial Acetic Acid BOD-5: 340-880 mg/g BOD-20: 900 mg/g COD: 1,030 mg/g

Mobility in the soil: N/A

Adverse Environmental Effects: May cause adverse environmental effects.

### 13. Disposal Considerations

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**Recommended Disposal Containers:** Check with your local waste authorities.\*

**Recommended Disposal Methods:** Do not dispose of in drains, check with your local waste authorities.\*

**Physical/Chemical Properties affecting Disposal:** See section 2 and section 9 applicable information.\*

**Special Precautions for Landfill and Incineration Activities:** Check with your local waste authorities.\*

**Waste Stream:** Consult your local or regional authorities.\*

### 14. Transport Information

**UN Number:** Not hazardous.

**UN Proper Shipping Name:**

**Transport Hazard Class(es):** Packing

**Group Number:** Environmental

**Hazards (IMDG code):** Marine

**Pollutant:**

**Transport in Bulk (IBC Code):**

**Special Transport Precautions:**

### 15. Regulatory Information

**OSHA:**

**DOT:**

**EPA:**

**CPSC:**

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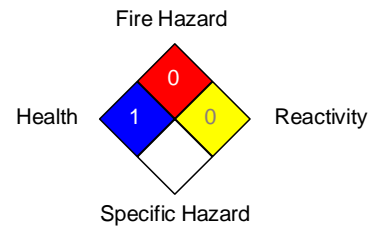
### 16. Other Information

**Revision Date:** 2019-01-11

#### NFPA

Health	1
Fire Hazard	0
Reactivity	0
Specific Hazard	

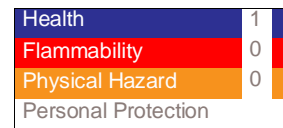
National Fire Protection Association (USA) NFPA



#### HMIS

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	

Hazardous Material Information System HMIS



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