

## Endure™ Hematoxylin

### 1. Identification

**Product Name:** Endure™ Hematoxylin

**Item #:** ED1, ED14

**Synonyms:** N/A

**Recommended Use:** N/A

**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 Damage - Category 1

Specific Target Organ Toxicity (repeated exposure) - Category 2

**Signal Word:** Danger

**Hazard Statement(s):** Causes skin irritation. Causes serious eye damage. May cause damage to organs (sense organs-eyes) through prolonged or repeated exposure.

**Pictogram(s):**

**Precautionary Statement(s):** Prevention: Wash body thoroughly after handling. Wear protective gloves. Wear eye protection, face protection. Do not breathe dust, vapors.

**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 Immediately call a doctor. Call a doctor if you feel unwell.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container in accordance with local regulations.

**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 % |
|-----------------|-------------|--------------|-----------------|
| Ethylene Glycol |             | 107-21-1     | Trade Secret    |
| Acetic Acid     |             | 64-19-7      | Trade Secret    |
| Aluminum Salts  |             | Trade Secret | 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.

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

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**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:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

### 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 locked up. Store in a cool, well ventilated place. Keep away from sparks and open flame.

### 8. Exposure Controls/Personal Protection

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

| Reagent             | CAS #   | OSHA PEL TWA    |
|---------------------|---------|-----------------|
| Glacial Acetic Acid | 64-19-7 | 10ppm, 25 mg/m3 |

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

| Reagent             | CAS #   | ACGIH PEL TLV    | ACGIH STEL      |
|---------------------|---------|------------------|-----------------|
| Glacial Acetic Acid | 64-19-7 | 10 ppm, 25 mg/m3 | 15ppm, 37 mg/m3 |

**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:** Dark Violet, Liquid

**Molecular Weight:** N/A

**Molecular Formula:** N/A

**pH:** N/A

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

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

**Flash Point:** N/A

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

**Odor:** N/A

**Odor Threshold:** N/A

**Color:** Dark Violet

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

**Vapor Density:** N/A

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**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:** Soluble in water

**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. May cause permanent damage.

**Skin:** Irritation.

**Inhalation:** Dizziness, headache. Irritation to nose, throat, mucous membranes and respiratory system.

**Ingestion:** Nausea. May be harmful if swallowed.

**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):** Ethylene Glycol: LD50 (oral, cat) = 1650 mg/kg ; Glacial Acetic Acid: LD50 (rabbit, skin) = 1060mg/kg ; Glacial Acetic Acid: LC50 (inhalation, mouse) = 5620 ppm/1H

**Carcinogenicity (NTP, IARC, OSHA):** N/A

### 12. Ecological Information

**Ecotoxicity:** N/A

**Persistence and degradability:** N/A

**Bioaccumulation Potential (octanol-water partition coefficient, BCF):** N/A

**Mobility in the soil:** N/A

**Adverse Environmental Effects:** N/A

### 13. Disposal Considerations

**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.\*

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

### 14. Transport Information

**UN Number:** Not regulated.

**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

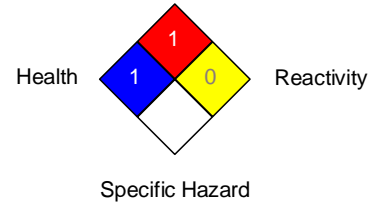
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#### NFPA

|                 |   |
|-----------------|---|
| Health          | 1 |
| Fire Hazard     | 1 |
| Reactivity      | 0 |
| Specific Hazard |   |

National Fire Protection Association (USA) NFPA

Fire Hazard



#### HMIS

|                     |   |
|---------------------|---|
| Health              | 1 |
| Flammability        | 1 |
| Physical Hazard     | 0 |
| Personal Protection | 1 |

Hazardous Material Information System HMIS

|                     |   |
|---------------------|---|
| Health              | 1 |
| Flammability        | 1 |
| Physical Hazard     | 0 |
| Personal Protection | 1 |

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