



## ClearView™ Iron Hematoxylin, Solution B

### 1. Identification

**Product Name:** ClearView™ Iron Hematoxylin, Solution B      **Item #:** SKC1029-500, 8402, 8410      **Web SDS:** S148  
**Synonyms:** N/A  
**Recommended Use:** Special Stain      **Restrictions on Use:** N/A  
**Manufacturer:**      **In Case of Emergency:**  
BBC Biochemical      Chemtrec US 1-800-424-9300  
409 Eleanor Lane,      Chemtrec International 703-527-3887  
Mount Vernon, WA 98273  
1-800-635-4477

### 2. Hazards Identification

**OSHA Hazard Classification(s):**

Skin Corrosion - Category 1A

Eye Damage - Category 1

**Signal Word:** Danger**Hazard Statement(s):** Causes severe skin burns and eye damage. Causes serious eye damage.**Pictogram(s):****Precautionary Statement(s):** Prevention: Do not breathe dusts or mists. Wash body thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Wear eye protection, face protection.

Response: If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off all contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor. Specific treatment (see first aid section on this label). If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing

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 %
Ferric Chloride	Iron III Chloride	10025-77-1	Trade Secret
Water		7732-18-5	Trade Secret
Hydrochloric Acid	HCl	7647-01-0	Trade Secret

### 4. First Aid Measures

**Eye Contact:** Corrosive to eyes. 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:** Corrosive to skin. 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:** Corrosive to mouth, throat and stomach. 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. Skin burns or dermatitis.**Recommendations for immediate medical care/special treatment:** Get medical advice/attention if you feel unwell.



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### 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 well-ventilated place, keep cool. Store at room temperature. Keep lid tightly closed. Do not store in metal containers, may be corrosive to metals.

### 8. Exposure Controls/Personal Protection

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

Reagent	CAS #	OSHA PEL TWA
Hydrochloric Acid	7647-01-0	5ppm

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

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
Hydrochloric Acid	7647-01-0	2ppm	
Ferric Chloride	10025-77-1	1 mg(Fe)/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:** Red/Brown, Liquid

**Molecular Weight:** N/A

**Molecular Formula:** N/A

**pH:** 1.2-1.5

**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:** Red/Brown

**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:** N/A

**Decomposition Temperature:** N/A

**10. Stability and Reactivity**

**Reactivity:**

**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:** Corrosive to eyes, may cause chemical burns, redness or permanent damage to cornea. May cause blindness.

**Skin:** Corrosive to skin. May cause chemical burns, redness, dermatitis and pain.

**Inhalation:** Dizziness, headache.

**Ingestion:** Corrosive solution. May cause chemical burns in mouth, throat, stomach and digestive tract.

**Signs or Symptoms of Exposure:** Nausea, headaches.

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

**Acute Toxicity (Numerical Measures):** Hydrochloric Acid: LD50(oral, rat)=900 mg/kg; LC50(inhalation, mouse)=1108 ppm/1H; LC50(inhalation, mouse)=3940 mg/m<sup>3</sup>/30M

**Carcinogenicity (NTP, IARC, OSHA):** Does not contain any known carcinogens.

**12. Ecological Information**

**Ecotoxicity:** Ecotoxicity: CAS 7647-01-0 Hydrochloric Acid Fish: LC50 (96 Hr) Mosquito Fish: 282 mg/L LC100(24Hr) Trout: 10 mg/L Invertebrates: LC50(48Hr) Starfish: 100-330 mg/L LC50 (48Hr) Shrimp: 100-330 mg/L

**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:** UN3264

**UN Proper Shipping Name:** Corrosive Liquid, Acidic, Inorganic, n.o.s., (Hydrochloric Acid)

**Transport Hazard Class(es):** 8

**Packing Group Number:** II

**Environmental Hazards (IMDG code):**

**Marine Pollutant:** No

**Transport in Bulk (IBC Code):** N/A

**Special Transport Precautions:** N/A

### 15. Regulatory Information

**OSHA:**

**DOT:**

**EPA:**

**CPSC:**



# Safety Data Sheet

## ClearView™ Iron Hematoxylin, Solution B

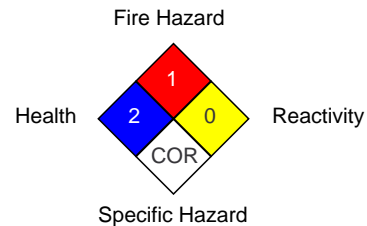
### 16. Other Information

Revision Date: 12/19/2014

#### NFPA

Health	2
Fire Hazard	1
Reactivity	0
Specific Hazard	COR

National Fire Protection Association (USA) NFPA



#### HMIS

Health	2
Flammability	1
Physical Hazard	1
Personal Protection	

Hazardous Material Information System HMIS

Health	2
Flammability	1
Physical Hazard	1
Personal Protection	

#### Notice to Reader:

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