

Hematoxylin, Weigert's Iron Kit

Kit Contents:

<u>Item #</u>	<u>Volume of Parts A & B</u>	<u>Combined Volume</u>
HWI-1	125 ml each	250 ml
HWI-2	500 ml each	1000 ml
HWI-3	1000 ml each	2000 ml

Section 1. Product and Company Identification

Product Name	Hematoxylin, Weigert's Iron (Part A)
Product Number	HWI-A
Intended Use	Laboratory Reagent
Manufacturer	ScyTek Laboratories, Inc.
Address	205 South 600 West Logan, Utah 84321 U.S.A.
Phone Number	800-729-8350
Fax Number	435-755-0015
Website	scytek.com

Section 2. Hazards Identification

HMIS (U.S.A.)	HEALTH	2
	FLAMMABILITY	3
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	G
OSHA	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).	
Warning!	EN: Flammable. DE: Entzündlich. FR: Inflammable. IT: Infiammabile. ES: Inflamable.	
Classification	F	

Section 3. Composition and Information on Ingredients

Name	CAS#	EC#	%
Ethanol	64-17-5	200-578-6	≤ 95
Isopropanol	67-63-0	200-661-7	≤ 5
Hematoxylin	517-28-2	208-237-3	≤ 1

*May contain additional non-hazardous proprietary ingredients.

*May contain additional active ingredients at concentrations <0.1%w/v.

Section 4. First Aid Measures

Eye Contact: Immediately flush eyes with copious amounts of water and get immediate medical attention.
Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.
Inhalation: Remove person to fresh air. Get medical attention if symptoms worsen.
Ingestion: Get immediate medical attention.

Section 5. Fire Fighting Measures

Extinguishing Media	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.
Unusual Fire and Explosion Hazards	Vapors can travel to the source of the ignition and flash back.
General Information	As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.)

Section 6. Accidental Release Measures

Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

Section 7. Handling and Storage

Avoid contact with skin and eyes.
 Wash thoroughly after handling.
 Store in well ventilated area.
 Keep container tightly closed.
 Avoid breathing vapor.

Section 8. Exposure Controls / Personal Protection

Exposure Limits	N/A
Personal Protection	Chemical resistant gloves are required. Safety glasses or goggles are required. Avoid breathing vapor.
Engineering Controls	Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Transparent orange liquid.
Odor	Mild alcohol odor.
pH	N/A
Molecular Weight	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Evaporation Rate	N/A
Viscosity	N/A
Boiling Point	N/A
Freezing Point	N/A

Melting Point	N/A
Solubility	N/A
Solubility in Water	Soluble
Flash Point	N/A
Explosion Limits (%)	N/A

Section 10. Stability and Reactivity

Chemical Stability	Stable under normal temperatures and pressures.
Conditions to Avoid	Fire, static electricity, direct sunlight.
Incompatible Materials	Strong oxidizers, silver salts, acid chlorides, alkali metals, metal hydrides, hydrazine.
Hazardous Decomposition Materials	Carbon oxides.
Hazardous Polymerization	Not reported.

Section 11. Toxicological Information

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Acute Toxicity	Eye Contact: May cause irritation and redness. Skin Contact: May irritate skin. Ingestion: May irritate gastrointestinal system. Inhalation: May irritate respiratory tract.
Chronic toxicity	Eye Contact: Unknown. Skin Contact: Unknown. Ingestion: Unknown. Inhalation: Unknown.
Toxicity to Animals	Not Available.
Special Remarks	None

Section 12. Ecological Information

Ecotoxicity	No relevant studies identified.
Mobility	No relevant studies identified.
Bio-accumulation	No relevant studies identified.
Persistence/Degradability	No relevant studies identified.
Additional Remarks	None.

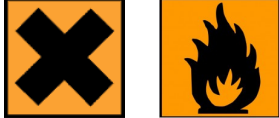
Section 13. Disposal Considerations

Observe all federal, state and local environmental regulations.

Section 14. Transport Information

DOT CRF 172.101 Data	Not a DOT controlled material (United States).
UN Shipping Name	Alcohols, n.o.s. (Ethanol/Methanol solution)
UN Number	UN1987
UN Class	3
UN Packing Group	II
Special Provisions	N/A
Canada TDG	Alcohols, n.o.s., UN1987, Class 3, PG II

Section 15. Regulatory Information

<p>Federal and State Regulations</p>	<p>CAS# 64-17-5 is listed on the TSCA Inventory. CAS# 517-28-2 is listed on the TSCA Inventory.</p> <p>Listed on Right to Know: Ethanol. California Massachusetts Minnesota New Jersey Pennsylvania</p> <p>Listed on Right to Know: Isopropyl Alcohol. California Massachusetts Minnesota New Jersey Pennsylvania</p>
<p>Other Regulations</p>	<p>N/A</p>
<p>EU Hazard Symbol and Indication of Danger</p>	
<p>R phrases</p>	<p>R10 EN: Flammable. DE: Entzündlich. FR: Inflammable. IT: Infiammabile. ES: Inflamable.</p> <p>R22 EN: Harmful if swallowed. DE: Gesundheitsschädlich beim Verschlucken. FR: Nocif en cas d'ingestion. IT: Nocivo per ingestione. ES: Nocivo por ingestión.</p>
<p>S phrases</p>	<p>S2 EN: Keep out of the reach of children. DE: Darf nicht in die Hände von Kindern gelangen. FR: Conserver hors de la portee des enfants. IT: Conservare fuori della portata dei bambini. ES: Manténgase fuera del alcance de los niños.</p> <p>S16 EN: Keep away from sources of ignition - No smoking. DE: Von Zündquellen fernhalten - Nicht rauchen. FR: Conserver a l'ecart de toute flamme ou source d'etincelles - Ne pas fumer. IT: Conservare lontano da fiamme e scintille - Non fumare. ES: Conservar alejado de toda llama o fuente de chispas - No fumar.</p> <p>S36/37/39 EN: Wear suitable protective clothing, gloves and eye/face protection. DE: Bei der Arbeit geeignete Schutzkleidung, Schutzhandschuhe und Schutzbrille/Gesichtsschutz tragen. FR: Porter un vetement de protection appropriée, des gants et un appareil de protection des yeux/du visage. IT: Usare indumenti protettivi e guanti adatti e proteggersi gli occhi/la faccia. ES: Usense indumentaria y guantes adecuados y protección para los ojos/la cara.</p>

Section 16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.

Section 1. Product and Company Identification

Product Name	Hematoxylin, Weigert's Iron (Part B)
Product Number	HWI-B
Intended Use	Laboratory Reagent
Manufacturer	ScyTek Laboratories, Inc.
Address	205 South 600 West Logan, Utah 84321 U.S.A.
Phone Number	800-729-8350
Fax Number	435-755-0015
Website	scytek.com

Section 2. Hazards Identification

HMIS (U.S.A.)	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	B
OSHA	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).	
Warning!	EN: Irritant. DE: Reizend. FR: Irritant. IT: Irritante. ES: Irritante.	
Classification	Xi	

Section 3. Composition and Information on Ingredients

Name	CAS#	EC#	%
Water	7732-18-5	231-791-2	≥ 97
Ferric chloride	10025-77-1	231-729-4	≤ 2
Hydrochloric Acid	7647-01-0	231-595-7	≤ 1

*May contain additional non-hazardous proprietary ingredients.

*May contain additional active ingredients at concentrations <0.1%w/v.

Section 4. First Aid Measures

Eye Contact: Immediately flush eyes with copious amounts of water and get immediate medical attention.
Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.
Inhalation: Remove person to fresh air. Get medical attention if symptoms worsen.
Ingestion: Get immediate medical attention.

Section 5. Fire Fighting Measures

Extinguishing Media	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.
Unusual Fire and Explosion Hazards	No unusual fire or explosion hazards expected.
General Information	As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.)

Section 6. Accidental Release Measures

Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

Section 7. Handling and Storage

Avoid contact with skin and eyes.
 Wash thoroughly after handling.
 Store in well ventilated area.
 Keep container tightly closed.
 Avoid breathing vapor.

Section 8. Exposure Controls / Personal Protection

Exposure Limits	N/A
Personal Protection	Chemical resistant gloves are required. Safety glasses or goggles are required. Avoid breathing vapor.
Engineering Controls	Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Yellow
Odor	Odorless
pH	Acidic
Molecular Weight	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Evaporation Rate	N/A
Viscosity	N/A
Boiling Point	N/A
Freezing Point	N/A

Melting Point	N/A
Solubility	N/A
Solubility in Water	Soluble
Flash Point	N/A
Explosion Limits (%)	N/A

Section 10. Stability and Reactivity

Chemical Stability	Stable under normal temperatures and pressures.
Conditions to Avoid	Fire, static electricity, direct sunlight.
Incompatible Materials	N/A
Hazardous Decomposition Materials	Hydrogen Chloride Fumes
Hazardous Polymerization	Not reported.

Section 11. Toxicological Information

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Acute Toxicity	Eye Contact: May cause irritation and redness. Skin Contact: May irritate skin. Ingestion: May irritate gastrointestinal system. Inhalation: May irritate respiratory tract.
Chronic toxicity	Eye Contact: Unknown. Skin Contact: Unknown. Ingestion: Unknown. Inhalation: Unknown.
Toxicity to Animals	Not Available.
Special Remarks	None

Section 12. Ecological Information

Ecotoxicity	No relevant studies identified.
Mobility	No relevant studies identified.
Bio-accumulation	No relevant studies identified.
Persistence/Degradability	No relevant studies identified.
Additional Remarks	None.


Section 13. Disposal Considerations

Observe all federal, state and local environmental regulations.

Section 14. Transport Information

DOT CRF 172.101 Data	Not a DOT controlled material (United States).
UN Shipping Name	N/A
UN Number	N/A
UN Class	N/A
UN Packing Group	N/A
Special Provisions	N/A
Canada TDG	N/A

Section 15. Regulatory Information

Federal and State Regulations	CAS#10025-77-1 is listed on the TSCA Inventory CAS # 7647-01-0 is listed on the TSCA Inventory
Other Regulations	N/A
EU Hazard Symbol and Indication of Danger	
R phrases	<p>R22 EN: Harmful if swallowed. DE: Gesundheitsschädlich beim Verschlucken. FR: Nocif en cas d'ingestion. IT: Nocivo per ingestione. ES: Nocivo por ingestión.</p> <p>R36/38 EN: Irritating to eyes and skin. DE: Reizt die Augen und die Haut. FR: Irritant pour les yeux et la peau. IT: Irritante per gli occhi e la pelle. ES: Irrita los ojos y la piel.</p>
S phrases	<p>S2 EN: Keep out of the reach of children. DE: Darf nicht in die Hände von Kindern gelangen. FR: Conserver hors de la portee des enfants. IT: Conservare fuori della portata dei bambini. ES: Manténgase fuera del alcance de los niños.</p> <p>S24/25 EN: Avoid contact with skin and eyes. DE: Berührung mit den Augen und der Haut vermeiden. FR: Éviter le contact avec la peau et les yeux. IT: Evitare il contatto con gli occhi e con la pelle. ES: Evítese el contacto con los ojos y la piel.</p>

Section 16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.