

## Iron Stain Kit

### Kit Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
PFB500	Potassium Ferrocyanide Solution	500 ml	Room Temperature
HQB500	Hydrochloric Acid Solution (2%)	500 ml	Room Temperature
NFS125	Nuclear Fast Red Solution	125 ml	Room Temperature

<b>PRODUCT NAME:</b>	Potassium Ferrocyanide Solution
<b>CATALOG #:</b>	PFB
<b>PRODUCT DESCRIPTION:</b>	Component of the Iron Stain Kit (Cat# IRN-1).
<b>COMPOSITION:</b>	Water, CAS# 7732-18-5 Potassium Ferrocyanide, CAS# 14459-95-1 May contain additional non-hazardous proprietary ingredients.
<b>PHYSICAL DATA:</b>	
<b>APPEARANCE / ODOR</b>	Transparent yellow liquid. Odorless.
<b>SOLUBILITY IN WATER</b>	Soluble.
<b>VAPOR DENSITY</b>	N/A
<b>VAPOR PRESSURE</b>	N/A
<b>EVAPORATION RATE</b>	N/A
<b>MELTING POINT</b>	N/A
<b>BOILING POINT</b>	100 °C.
<b>FLASH POINT</b>	Aqueous solution.
<b>AUTO-IGNITION POINT</b>	Aqueous solution.
<b>LOWER EXPLOSIVE LIMIT IN AIR</b>	Aqueous solution.
<b>UPPER EXPLOSIVE LIMIT IN AIR</b>	Aqueous solution.
<b>FIRE AND EXPLOSION HAZARD DATA:</b>	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical. Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.). May produce cyanide vapor under fire conditions.
<b>REACTIVITY DATA:</b>	
<b>STABILITY</b>	Stable.
<b>INCOMPATIBLE MATERIALS</b>	Strong acids, acid fumes and oxidizers.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Nitrogen oxides, carbon monoxide, carbon dioxide and hydrogen cyanide.
<b>HAZARDOUS POLYMERIZATION</b>	Not reported.
<b>HEALTH HAZARD DATA:</b>	
<b>ACUTE EFFECTS:</b>	<b>Eye Contact:</b> May irritate eyes. <b>Skin Contact:</b> May irritate skin. <b>Ingestion:</b> May irritate gastrointestinal system. <b>Inhalation:</b> Not an expected route of exposure.
<b>CHRONIC EFFECTS:</b>	<b>Eye Contact:</b> Unknown. <b>Skin Contact:</b> Unknown. <b>Ingestion:</b> Unknown. <b>Inhalation:</b> Unknown.

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<b>FIRST AID:</b>	<p><b>Eye Contact:</b> Immediately flush eyes with copious amounts of water and get immediate medical attention.</p> <p><b>Skin Contact:</b> Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.</p> <p><b>Inhalation:</b> Remove person to fresh air. Get medical attention if symptoms worsen.</p> <p><b>Ingestion:</b> Get immediate medical attention.</p>									
<b>ADDITIONAL INFORMATION:</b>										
<b>HMIS HAZARD CODES:</b>	<table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td>0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td>B</td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARD	0	PERSONAL PROTECTION	B	
HEALTH	1									
FLAMMABILITY	0									
PHYSICAL HAZARD	0									
PERSONAL PROTECTION	B									
<b>SPILL OR LEAK PROCEDURES:</b>	<p>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.</p>									
<b>WASTE DISPOSAL METHOD:</b>	<p>Observe all federal, state and local environmental regulations.</p>									
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:</b>	<p>Wear protective clothing.</p> <p>Avoid contact with skin and eyes. Wash thoroughly after handling.</p> <p>Keep tightly closed.</p> <p>Irritant.</p> <p>Keep container tightly closed.</p> <p>Avoid breathing vapor.</p>									
<b>ADDITIONAL COMMENTS:</b>	<p>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.</p>									

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<b>PRODUCT NAME:</b>	Hydrochloric Acid Solution (2%)
<b>CATALOG #:</b>	HQB
<b>PRODUCT DESCRIPTION:</b>	Component of the Iron Stain Kit (Cat# IRN-1).
<b>COMPOSITION:</b>	Water, CAS# 7732-18-5 Hydrochloric Acid, CAS# 7647-01-0 May contain additional non-hazardous proprietary ingredients.
<b>PHYSICAL DATA:</b>	
<b>APPEARANCE / ODOR</b>	Transparent colorless liquid. Mild acid odor.
<b>SOLUBILITY IN WATER</b>	Soluble.
<b>VAPOR DENSITY</b>	N/A
<b>VAPOR PRESSURE</b>	N/A
<b>EVAPORATION RATE</b>	N/A
<b>MELTING POINT</b>	N/A
<b>BOILING POINT</b>	100 °C.
<b>FLASH POINT</b>	Aqueous solution.
<b>AUTO-IGNITION POINT</b>	Aqueous solution.
<b>LOWER EXPLOSIVE LIMIT IN AIR</b>	Aqueous solution.
<b>UPPER EXPLOSIVE LIMIT IN AIR</b>	Aqueous solution.
<b>FIRE AND EXPLOSION HAZARD DATA:</b>	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical. Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.). May produce hydrogen chloride gas under fire conditions.
<b>REACTIVITY DATA:</b>	
<b>STABILITY</b>	Stable.
<b>INCOMPATIBLE MATERIALS</b>	Oxidizers, metals.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Carbon dioxide, carbon monoxide, hydrogen chloride gas.
<b>HAZARDOUS POLYMERIZATION</b>	Not reported.
<b>HEALTH HAZARD DATA:</b>	
<b>ACUTE EFFECTS:</b>	<b>Eye Contact:</b> May irritate eyes. May cause chemical burns. <b>Skin Contact:</b> May irritate skin. <b>Ingestion:</b> May irritate esophagus and gastrointestinal system. <b>Inhalation:</b> May irritate respiratory tract.
<b>CHRONIC EFFECTS:</b>	<b>Eye Contact:</b> Prolonged exposure will cause blindness. <b>Skin Contact:</b> May cause dermatitis. <b>Ingestion:</b> Unknown. <b>Inhalation:</b> Will cause chemical burns to the respiratory tract.
<b>FIRST AID:</b>	<b>Eye Contact:</b> Immediately flush eyes with copious amounts of water and get immediate medical attention. <b>Skin Contact:</b> Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops. <b>Inhalation:</b> Remove person to fresh air. Get medical attention if symptoms worsen. <b>Ingestion:</b> Get immediate medical attention.
<b>ADDITIONAL INFORMATION:</b>	

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<b>HMIS HAZARD CODES:</b>	<b>HEALTH</b>	<b>2</b>
	<b>FLAMMABILITY</b>	<b>0</b>
	<b>PHYSICAL HAZARD</b>	<b>0</b>
	<b>PERSONAL PROTECTION</b>	<b>B</b>
<b>SPILL OR LEAK PROCEDURES:</b>	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.	
<b>WASTE DISPOSAL METHOD:</b>	Observe all federal, state and local environmental regulations.	
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:</b>	Wear protective clothing. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep tightly closed. Irritant. Keep container tightly closed. Avoid breathing vapor.	
<b>ADDITIONAL COMMENTS:</b>	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.	

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<b>PRODUCT NAME:</b>	Nuclear Fast Red Solution (Enhanced Stability)
<b>CATALOG #:</b>	NFS
<b>PRODUCT DESCRIPTION:</b>	Histology stain.
<b>COMPOSITION:</b>	Water, CAS# 7732-18-5 Aluminum Sulfate, CAS# 7784-31-8 Sodium Azide, CAS# 26628-22-8 May contain additional non-hazardous proprietary ingredients.
<b>PHYSICAL DATA:</b>	
<b>APPEARANCE / ODOR</b>	Dark red liquid. Very mild odor.
<b>SOLUBILITY IN WATER</b>	Soluble.
<b>VAPOR DENSITY</b>	N/A
<b>VAPOR PRESSURE</b>	N/A
<b>EVAPORATION RATE</b>	N/A
<b>MELTING POINT</b>	N/A
<b>BOILING POINT</b>	N/A
<b>FLASH POINT</b>	Aqueous solution.
<b>AUTO-IGNITION POINT</b>	Aqueous solution.
<b>LOWER EXPLOSIVE LIMIT IN AIR</b>	Aqueous solution.
<b>UPPER EXPLOSIVE LIMIT IN AIR</b>	Aqueous solution.
<b>FIRE AND EXPLOSION HAZARD DATA:</b>	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical. Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) Emits toxic fumes under fire conditions.
<b>REACTIVITY DATA:</b>	
<b>STABILITY</b>	Stable under normal temperatures and pressures.
<b>INCOMPATIBLE MATERIALS</b>	Strong oxidizing agents, copper, copper alloys, aluminum, steel, alkali metals.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	May form carbon oxides, nitrogen oxides, and sulfur oxides under fire conditions.
<b>HAZARDOUS POLYMERIZATION</b>	None reported.
<b>HEALTH HAZARD DATA:</b>	
<b>ACUTE EFFECTS:</b>	<b>Eye Contact:</b> May cause irritation and redness. <b>Skin Contact:</b> May irritate skin. Sodium azide absorbed through the skin may result in headache. <b>Ingestion:</b> May irritate gastrointestinal system. <b>Inhalation:</b> May irritate respiratory tract. Sodium azide inhaled may result in headache.
<b>CHRONIC EFFECTS:</b>	<b>Eye Contact:</b> Unknown. <b>Skin Contact:</b> Unknown. <b>Ingestion:</b> Unknown. <b>Inhalation:</b> Unknown.
<b>FIRST AID:</b>	<b>Eye Contact:</b> Immediately flush eyes with copious amounts of water and get immediate medical attention. <b>Skin Contact:</b> Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops. <b>Inhalation:</b> Remove person to fresh air. Get medical attention if symptoms worsen. <b>Ingestion:</b> Get immediate medical attention.
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<b>HMIS HAZARD CODES:</b>	<b>HEALTH</b>	<b>2</b>
	<b>FLAMMABILITY</b>	<b>0</b>
	<b>PHYSICAL HAZARD</b>	<b>0</b>
	<b>PERSONAL PROTECTION</b>	<b>B</b>
<b>SPILL OR LEAK PROCEDURES:</b>	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.	
<b>WASTE DISPOSAL METHOD:</b>	Observe all federal, state and local environmental regulations.	
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