Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name Histochemical Ferric Iron Set

Product Code 64986

Manufacturer
EMD Chemicals Inc.
P.O. Box 70
480 Democrat Road
Gibbstown, NJ 08027
Prior to January 1, 2003 EMD Chemicals Inc. was EM Industries, Inc. or EM Science, Division of EM Industries, Inc.

Effective Date 7/28/2005

Print Date 10/5/2005

For More Information Call
856-423-6300 Technical Service
Monday-Friday: 8:00 AM - 5:00 PM

In Case of Emergency Call
800-424-9300 CHEMTREC (USA)
613-996-6666 CANUTEC (Canada)
24 Hours/Day: 7 Days/Week

Synonym	Potassium Ferracyanide Reagent	None.
	2N Hydrochloric Acid Reagent	None.
	Basic Fuchsin Counterstain	None.
Material Uses	Potassium Ferracyanide Reagent	Laboratory Reagent
	2N Hydrochloric Acid Reagent	Laboratory Reagent
	Basic Fuchsin Counterstain	Laboratory Reagent
Chemical Family	Potassium Ferracyanide Reagent	Inorganic salt solution.
	2N Hydrochloric Acid Reagent	Acid Solution
	Basic Fuchsin Counterstain	Dye Solution

Section 2. Composition and Information on Ingredients

Product name / Reagent.	Component ; CAS # ; % by Weight
Potassium Ferracyanide Reagent	Potassium ferrocyanide trihydrate; 14459-95-1; 6% Water; 7732-18-5; 94%
2N Hydrochloric Acid Reagent	Hydrochloric acid; 7647-01-0; 33.3% Water; 7732-18-5; 66.7%
Basic Fuchsin Counterstain	Basic Fuchsin; 569-61-9; 0.125% Ethanol; 64-17-5; 142.6% Methanol; 67-56-1; 7.4% Water; 7732-18-5; 5.05%

Section 3. Hazards Identification

Physical State and Appearance	Potassium Ferracyanide Reagent	Liquid.
	2N Hydrochloric Acid Reagent	Liquid.
	Basic Fuchsin Counterstain	Liquid.
Emergency Overview	Potassium Ferracyanide Reagent	HARMFUL IF SWALLOWED. MAY BE HARMFUL IF INHALED. MAY CAUSE EYE AND SKIN IRRITATION.
	2N Hydrochloric Acid Reagent	HARMFUL IF INHALED OR SWALLOWED. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: LUNGS, RESPIRATORY TRACT, SKIN, EYE, LENS OR CORNEA.
	Basic Fuchsin Counterstain	MAY BE FATAL IF SWALLOWED. CANCER HAZARD CONTAINS MATERIAL WHICH CAN CAUSE CANCER HARMFUL IF INHALED. POSSIBLE BIRTH DEFECT HAZARD. CONTAINS MATERIAL WHICH MAY CAUSE BIRTH DEFECTS BASED ON ANIMAL DATA. CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, CENTRAL NERVOUS SYSTEM, EYE, LENS OR CORNEA. FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY CAUSE EYE AND SKIN IRRITATION. CONTAINS MATERIAL WHICH MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: BLOOD, REPRODUCTIVE SYSTEM, LIVER.
	Potassium Ferracyanide Reagent	Not Listed on Ca Prop 65.
	2N Hydrochloric Acid Reagent	Not Listed on Ca Prop 65.
	Basic Fuchsin Counterstain	WARNING: This product contains a chemical(s) known to the State of California to cause cancer.
Routes of Entry	Potassium Ferracyanide Reagent	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
	2N Hydrochloric Acid Reagent	Dermal contact. Eye contact. Inhalation. Ingestion.
	Basic Fuchsin Counterstain	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes	Potassium Ferracyanide Reagent	May be hazardous in case of eye contact (irritant).
	2N Hydrochloric Acid Reagent	Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.
	Basic Fuchsin Counterstain	May be hazardous in case of eye contact (irritant).
Skin	Potassium Ferracyanide Reagent	May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
	2N Hydrochloric Acid Reagent	Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
	Basic Fuchsin Counterstain	May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Non-permeator by skin.
Inhalation	Potassium Ferracyanide Reagent	May be hazardous in case of inhalation.
	2N Hydrochloric Acid Reagent	Hazardous in case of inhalation (lung irritant).
	Basic Fuchsin Counterstain	Hazardous in case of inhalation.
Ingestion	Potassium Ferracyanide Reagent	Hazardous in case of ingestion.
	2N Hydrochloric Acid Reagent	Hazardous in case of ingestion.
	Basic Fuchsin Counterstain	Extremely hazardous in case of ingestion. May be fatal if swallowed.

Potential Chronic Health Effects

Carcinogenic Effects	Potassium Ferracyanide Reagent	This material is not known to cause cancer in animals or humans.
	2N Hydrochloric Acid Reagent	This material is not known to cause cancer in animals or humans.
	Basic Fuchsin Counterstain	Classified A1 (Confirmed for human.) by ACGIH [Basic Fuchsin]. Classified 2B (Possible for human.) by IARC [Basic Fuchsin].
	Additional information	See Toxicological Information (section 11)
Medical Conditions Aggravated by Overexposure:	Potassium Ferracyanide Reagent	Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
	2N Hydrochloric Acid Reagent	Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
	Basic Fuchsin Counterstain	Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4. First Aid Measures

Eye Contact	Potassium Ferracyanide Reagent	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
	2N Hydrochloric Acid Reagent	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
	Basic Fuchsin Counterstain	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact	Potassium Ferracyanide Reagent	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
	2N Hydrochloric Acid Reagent	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
	Basic Fuchsin Counterstain	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	Potassium Ferracyanide Reagent	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
	2N Hydrochloric Acid Reagent	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
	Basic Fuchsin Counterstain	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	Potassium Ferracyanide Reagent	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
	2N Hydrochloric Acid Reagent	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
	Basic Fuchsin Counterstain	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight

clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flammability of the Product	Potassium Ferracyanide Reagent	Non-flammable.
	2N Hydrochloric Acid Reagent	Non-flammable.
	Basic Fuchsin Counterstain	Product will burn.
Auto-ignition Temperature	Potassium Ferracyanide Reagent	Not applicable.
	2N Hydrochloric Acid Reagent	Not applicable.
	Basic Fuchsin Counterstain	The lowest known value is 362.78°C (685°F) (Ethanol).
Flash Points	Potassium Ferracyanide Reagent	Not applicable.
	2N Hydrochloric Acid Reagent	Not applicable.
	Basic Fuchsin Counterstain	Closed cup: 8.8889°C (48°F).
Flammable Limits	Potassium Ferracyanide Reagent	Not applicable.
	2N Hydrochloric Acid Reagent	Not applicable.
	Basic Fuchsin Counterstain	LOWER: 3.3% UPPER: 19%
Products of Combustion	Potassium Ferracyanide Reagent	Not applicable.
	2N Hydrochloric Acid Reagent	Not applicable.
	Basic Fuchsin Counterstain	These products are carbon oxides (CO, CO2).
Fire Hazards in Presence of Various Substances	Potassium Ferracyanide Reagent	Not applicable.
	2N Hydrochloric Acid Reagent	Not applicable.
	Basic Fuchsin Counterstain	Flammable in presence of open flames, sparks and static discharge, of shocks, of heat, of oxidizing materials.
Explosion Hazards in Presence of Various Substances	Potassium Ferracyanide Reagent	**Risks of explosion of the product in presence of static discharge:** No. **Risks of explosion of the product in presence of mechanical impact:** No.
	2N Hydrochloric Acid Reagent	**Risks of explosion of the product in presence of static discharge:** No. **Risks of explosion of the product in presence of mechanical impact:** No.
	Basic Fuchsin Counterstain	**Risks of explosion of the product in presence of static discharge:** Flammable in presence of open flames, sparks and

		static discharge. Explosive in presence of open flames, sparks and static discharge. **Risks of explosion of the product in presence of mechanical impact:** Flammable in presence of shocks. Explosive in presence of shocks.
Fire Fighting Media and Instructions	Potassium Ferracyanide Reagent	Not applicable.
	2N Hydrochloric Acid Reagent	Not applicable.
	Basic Fuchsin Counterstain	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Protective Clothing (Fire)	Potassium Ferracyanide Reagent	Not applicable.
	2N Hydrochloric Acid Reagent	Not applicable.
	Basic Fuchsin Counterstain	Be sure to use an approved/certified respirator or equivalent.
Special Remarks on Fire Hazards	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Dangerous fire and explosion risk. Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back. (Methanol)
Special Remarks on Explosion Hazards	Potassium Ferracyanide Reagent	Thermal decomposition may release toxic and/or hazardous gases.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Vapor may travel considerable distance to source of ignition and flash back.

Section 6. Accidental Release Measures

Small Spill and Leak	Potassium Ferracyanide Reagent	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
	2N Hydrochloric Acid Reagent	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
	Basic Fuchsin Counterstain	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill and Leak	Potassium Ferracyanide Reagent	Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
	2N Hydrochloric Acid Reagent	Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
	Basic Fuchsin Counterstain	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
Spill Kit Information	Potassium Ferracyanide Reagent	No specific spill kit required for this product.
	2N Hydrochloric Acid Reagent	No specific spill kit required for this product.
	Basic Fuchsin Counterstain	The following EMD Chemicals Inc. SpillSolv (TM) absorbent is recommended for this product: SX1330 Solvent Treatment Kit

Section 7. Handling and Storage

Handling	Potassium Ferracyanide Reagent	Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
	2N Hydrochloric Acid Reagent	Do not ingest. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
	Basic Fuchsin Counterstain	Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

Storage	Potassium Ferracyanide Reagent	Keep container tightly closed. Keep container in a cool, well-ventilated area.
	2N Hydrochloric Acid Reagent	Keep container tightly closed. Keep container in a cool, well-ventilated area.
	Basic Fuchsin Counterstain	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Potassium Ferracyanide Reagent	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
	2N Hydrochloric Acid Reagent	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
	Basic Fuchsin Counterstain	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection		
Eyes	Potassium Ferracyanide Reagent	Splash goggles.
	2N Hydrochloric Acid Reagent	Face shield.
	Basic Fuchsin Counterstain	Splash goggles.
Body	Potassium Ferracyanide Reagent	Lab coat.
	2N Hydrochloric Acid Reagent	Full suit.
	Basic Fuchsin Counterstain	Lab coat.
Respiratory	Potassium Ferracyanide Reagent	Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
	2N Hydrochloric Acid Reagent	Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
	Basic Fuchsin Counterstain	Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Hands	Potassium Ferracyanide Reagent	Gloves.
	2N Hydrochloric Acid Reagent	Gloves.
	Basic Fuchsin Counterstain	Gloves.

Feet	Potassium Ferracyanide Reagent	Not applicable.
	2N Hydrochloric Acid Reagent	Boots.
	Basic Fuchsin Counterstain	Not applicable.

Protective Clothing (Pictograms)

Personal Protection in Case of a Large Spill

Potassium Ferracyanide Reagent	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
2N Hydrochloric Acid Reagent	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Basic Fuchsin Counterstain	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
Potassium ferrocyanide trihydrate	Not available.
Water	Not available.
Hydrochloric acid	**BMWA_MAK (Austria, 2001).** Spitzenbegrenzung: 16 mg/m^3 8 times per shift, 5 minute(s). Spitzenbegrenzung: 10 ppm 8 times per shift, 5 minute(s). TWA: 8 mg/m^3 8 hour(s). TWA: 5 ppm 8 hour(s). **NOHSC (Australia, 2002). Notes: Documentation for the substances with this footnote can be found in the 5th Edition of the ACGIH documentation of the threshold limit values and biological exposure indices.1 For all other substances with 'H' in Column 7 the documentation can be found i n the 6th Edition of the ACGIH documentation of the threshold limit values and biological exposure indices.2** AMP: 7.5 mg/m^3 15 minute(s). AMP: 5 ppm 15 minute(s). **Lijst Grenswaarden (Belgium, 2002).** VCD: 15 mg/m^3 15 minute(s). VCD: 10 ppm 15 minute(s). VL: 8 mg/m^3 8 hour(s). VL: 5 ppm 8 hour(s). **SUVA (Switzerland, 2001).** Kurzzeitsgrenzwerte: 7.5 mg/m^3 15 minute(s). Kurzzeitsgrenzwerte: 5 ppm 15 minute(s). MAK: 7.5 mg/m^3 8 hour(s). MAK: 5 ppm 8 hour(s). **178/2001 (CZ, 2001).** STEL: 15 mg/m^3 10 minute(s). STEL: 10.185 ppm 10 minute(s). TWA: 8 mg/m^3 8 hour(s). TWA: 5.432 ppm 8 hour(s). **BAUA (Germany, 1997).**

Spitzenbegrenzung: 8 mg/m^3
TWA: 8 mg/m^3 8 hour(s).

MAK-Werte Liste (Germany, 2000).
Spitzenbegrenzung: 7.6 mg/m^3 15 minute(s).
Spitzenbegrenzung: 5 ML/M3 15 minute(s).
TWA: 7.6 mg/m^3 8 hour(s).
TWA: 5 ML/M3 8 hour(s).

TRGS900 MAK (Germany, 2002).
Spitzenbegrenzung: 8 mg/m^3
TWA: 8 mg/m^3 8 hour(s).

Arbejdstilsynet (Denmark, 2000).
Loftværdi: 7 mg/m^3
Loftværdi: 5 ppm
GV: 7 mg/m^3 8 hour(s).
GV: 5 ppm 8 hour(s).

DK-Arbejdstylsinet (Denmark, 1996).
Loftværdi: 7 mg/m^3
Loftværdi: 5 ppm
GV: 7 mg/m^3 8 hour(s).
GV: 5 ppm 8 hour(s).

INSHT (Spain, 2002).
STEL: 15 mg/m^3 15 minute(s).
STEL: 10 ppm 15 minute(s).
TWA: 7.6 mg/m^3 8 hour(s).
TWA: 5 ppm 8 hour(s).

80/1107/EEC (Europe, 1996).
STEL: 10 mg/m^3 15 minute(s).
STEL: 15 ppm 15 minute(s).
TWA: 5 mg/m^3 8 hour(s).
TWA: 8 ppm 8 hour(s).

EU OEL (Europe, 2000). Notes: Indicative
STEL: 15 mg/m^3 15 minute(s).
STEL: 10 ppm 15 minute(s).
TWA: 8 mg/m^3 8 hour(s).
TWA: 5 ppm 8 hour(s).

Työterveyslaitos (Finland, 2002).
STEL: 7.6 mg/m^3 15 minute(s).
STEL: 5 ppm 15 minute(s).

INRS (France, 1999). Notes: Advisory
VLE: 7.5 mg/m^3 15 minute(s).
VLE: 5 ppm 15 minute(s).

NAOSH (Ireland, 2002).
STEL: 14 mg/m^3 15 minute(s).
STEL: 10 ppm 15 minute(s).
OEL: 7 mg/m^3 8 hour(s).
OEL: 5 ppm 8 hour(s).

JSOH (Japan, 1996).
CEIL: 7.5 mg/m^3
CEIL: 5 ppm

Ministry of Labor (KR, 1997).
CEIL: 7 mg/m^3
CEIL: 5 ppm

Nationale MAC-lijst (Netherlands, 2003). Notes: Administrative
TGG 15 min: 15 mg/m^3 15 minute(s).
TGG 15 min: 10 ppm 15 minute(s).
TGG 8 uur: 8 mg/m^3 8 hour(s).
TGG 8 uur: 5 ppm 8 hour(s).

Arbeidstilsynet (Norway, 2001).
Takverdi: 7 mg/m^3
Takverdi: 5 ppm
AN: 7 mg/m^3 8 hour(s).
AN: 5 ppm 8 hour(s).

NZ OSH (NZ, 1994).
CEIL: 7.5 mg/m^3

CEIL: 5 ppm

AFS (Sweden, 2000).

TGV: 8 mg/m^3

TGV: 5 ppm

KTV: 8 mg/m^3 15 minute(s).

KTV: 5 ppm 15 minute(s).

EH40-OES (United Kingdom (UK), 2002).

STEL: 8 mg/m^3 15 minute(s).

STEL: 5 ppm 15 minute(s).

TWA: 2 mg/m^3 8 hour(s).

TWA: 1 ppm 8 hour(s).

ACGIH (United States, 2003).

CEIL: 2 ppm

NIOSH REL (United States, 2001).

CEIL: 7 mg/m^3

CEIL: 5 ppm

OSHA Final Rule (United States, 1989).

CEIL: 7 mg/m^3

CEIL: 5 ppm

OSHA PEL (United States, 1974).

CEIL: 7 mg/m^3

CEIL: 5 ppm

OSHA PEL 1989 (United States, 1989).

CEIL: 7 mg/m^3

CEIL: 5 ppm

Basic Fuchsin

Not available.

Ethanol

AUVA (Austria, 1995).

Spitzenbegrenzung: 3800 mg/m^3 3 times per shift, 60 minute(s).

Spitzenbegrenzung: 2000 ML/M3 3 times per shift, 60 minute(s).

TWA: 1900 mg/m^3 8 hour(s).

TWA: 1000 ML/M3 8 hour(s).

NOHSC (Australia, 1995).

TWA: 1880 mg/m^3 8 hour(s).

TWA: 1000 ppm 8 hour(s).

Lijst Grenswaarden (Belgium, 1998).

VL: 1907 mg/m^3 8 hour(s).

VL: 1000 ppm 8 hour(s).

SUVA (Switzerland, 1997).

MAK: 1900 mg/m^3 8 hour(s).

MAK: 1000 ML/M3 8 hour(s).

Ministry of Health (CL, 1992).

TWA: 1500 mg/m^3 8 hour(s).

TWA: 800 ppm 8 hour(s).

MAK-Werte Liste (Germany, 1998).

Spitzenbegrenzung: 1920 mg/m^3 4 times per shift, 30 minute(s).

Spitzenbegrenzung: 1000 ML/M3 4 times per shift, 30 minute(s).

TWA: 960 mg/m^3 8 hour(s).

TWA: 500 ML/M3 8 hour(s).

TRGS900 (Germany, 1999).

Spitzenbegrenzung: 7600 mg/m^3

Spitzenbegrenzung: 4000 ML/M3

TWA: 1900 mg/m^3 8 hour(s).

TWA: 1000 ML/M3 8 hour(s).

Arbejdstilsynet (Denmark, 1996).

GV: 1900 mg/m^3 8 hour(s).

GV: 1000 ppm 8 hour(s).

Tyterveyslaitos (Finland, 1998).

STEL: 2500 mg/m^3 15 minute(s).

STEL: 1300 ppm 15 minute(s).

TWA: 1900 mg/m^3 8 hour(s).

TWA: 1000 ppm 8 hour(s).

INRS (France, 1999).

VLE: 9500 mg/m^3 15 minute(s).

VLE: 5000 ppm 15 minute(s).

VME: 1900 mg/m^3 8 hour(s).
VME: 1000 ppm 8 hour(s).

EH40-OES (United Kingdom (UK), 2000).
TWA: 1920 mg/m^3 8 hour(s).
TWA: 1000 ppm 8 hour(s).

NAOSH (Ireland, 1999).
OEL: 1900 mg/m^3 8 hour(s).
OEL: 1000 ppm 8 hour(s).

Ministry of Labour (KR, 1997).
TWA: 1900 mg/m^3 8 hour(s).
TWA: 1000 ppm 8 hour(s).

Secretary of Work and Social security (MX, 1994).
CPT: 1900 mg/m^3 8 hour(s).
CPT: 1000 ppm 8 hour(s).

Nationale MAC-lijst (Netherlands, 2000).
TGG 8 uur: 1000 mg/m^3 8 hour(s).
TGG 8 uur: 500 ppm 8 hour(s).

NZ OSH (NZ, 1994).
TWA: 1880 mg/m^3 8 hour(s).
TWA: 1000 ppm 8 hour(s).

AFS (Sweden, 1996).
TGV: 1900 mg/m^3
TGV: 1000 ppm
NGV: 1000 mg/m^3 8 hour(s).
NGV: 500 ppm 8 hour(s).

ACGIH TLV (United States, 2000).
TWA: 1880 mg/m^3 8 hour(s).
TWA: 1000 ppm 8 hour(s).

NIOSH REL (United States, 2000).
TWA: 1900 mg/m^3 10 hour(s).
TWA: 1000 ppm 10 hour(s).

OSHA Final Rule (United States, 1989).
TWA: 1900 mg/m^3 8 hour(s).
TWA: 1000 ppm 8 hour(s).

Methanol

ACGIH (United States, 1994). Skin
TWA: 262 mg/m^3
STEL: 328 mg/m^3

OSHA (United States, 1989). Skin
TWA: 260 mg/m^3
STEL: 325 mg/m^3

ACGIH (United States, 1994). Skin
STEL: 328 mg/m^3 15 minute(s).
STEL: 250 ppm 15 minute(s).
TWA: 262 mg/m^3 8 hour(s).
TWA: 200 ppm 8 hour(s).

NIOSH REL (United States, 1994). Skin
STEL: 325 mg/m^3 15 minute(s).
STEL: 250 ppm 15 minute(s).
TWA: 260 mg/m^3 10 hour(s).
TWA: 200 ppm 10 hour(s).

OSHA Final Rule (United States, 1989). Skin
STEL: 325 mg/m^3 15 minute(s).
STEL: 250 ppm 15 minute(s).
TWA: 260 mg/m^3 8 hour(s).
TWA: 200 ppm 8 hour(s).

Section 9. Physical and Chemical Properties

Odor	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Characteristic.
Color	Potassium Ferracyanide Reagent	Clear. Yellow.
	2N Hydrochloric Acid Reagent	Clear. Colorless.
	Basic Fuchsin Counterstain	Not available.
Physical State and Appearance	Potassium Ferracyanide Reagent	Liquid.
	2N Hydrochloric Acid Reagent	Liquid.
	Basic Fuchsin Counterstain	Liquid.
Molecular Weight	Potassium Ferracyanide Reagent	Not applicable.
	2N Hydrochloric Acid Reagent	Not applicable.
	Basic Fuchsin Counterstain	Not applicable.
Molecular Formula	Potassium Ferracyanide Reagent	Not applicable.
	2N Hydrochloric Acid Reagent	Not applicable.
	Basic Fuchsin Counterstain	Not applicable.
pH	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
Boiling/Condensation Point	Potassium Ferracyanide Reagent	The lowest known value is 99.9°C (211.8°F) (Water).
	2N Hydrochloric Acid Reagent	The lowest known value is 99.9°C (211.8°F) (Water). Weighted average: 103.26°C (217.9°F)
	Basic Fuchsin Counterstain	78°C (172.4°F)
Melting/Freezing Point	Potassium Ferracyanide Reagent	May start to solidify at -0.1°C (31.8°F) based on data for: Water.
	2N Hydrochloric Acid Reagent	May start to solidify at -0.1°C (31.8°F) based on data for: Water. Weighted average: -24.71°C (-12.5°F)
	Basic Fuchsin Counterstain	May start to solidify at -0.1°C (31.8°F) based on data for: Water. Weighted average: -7.88°C (17.8°F)

Critical Temperature	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	The lowest known value is 51.5°C (124.7°F) (Hydrochloric acid).
	Basic Fuchsin Counterstain	Not available.
Specific Gravity	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	The only known value is 1.2 (Water = 1) (Hydrochloric acid).
	Basic Fuchsin Counterstain	Weighted average: 0.79 (Water = 1)
Vapor Pressure	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	The highest known value is 21.3 kPa (160 mmHg) (@ 20°C) (Hydrochloric acid).
	Basic Fuchsin Counterstain	The highest known value is 12.9 kPa (97 mmHg) (@ 20°C) (Methanol). Weighted average: 6.25 kPa (46.88 mmHg) (@ 20°C)
Vapor Density	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	The highest known value is >1 (Air = 1) (Hydrochloric acid).
	Basic Fuchsin Counterstain	>1 (Air = 1)
Volatility	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	>99% (v/v).
Odor Threshold	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	The lowest known value is 5 ppm (Ethanol) Weighted average: 9.69 ppm
Evaporation Rate	Potassium Ferracyanide Reagent	0.36 (Water) compared to(n-Butyl Acetate =1)
	2N Hydrochloric Acid Reagent	0.36 (Water) compared to(n-Butyl Acetate =1)
	Basic Fuchsin Counterstain	The highest known value is 1.7 (Ethanol) Weighted average: 1.65compared to(n-Butyl Acetate =1)
VOC	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	95 (%)

Viscosity	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
LogKow	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
Ionicity (in Water)	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
Solubility	Potassium Ferracyanide Reagent	Soluble in water.
	2N Hydrochloric Acid Reagent	Soluble in water.
	Basic Fuchsin Counterstain	Soluble in water.
Physical Chemical Comments	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity	Potassium Ferracyanide Reagent	The product is stable.
	2N Hydrochloric Acid Reagent	The product is stable.
	Basic Fuchsin Counterstain	The product is stable.
Conditions of Instability	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	FLAMMABLE LIQUID AND VAPOR. (Ethanol)
Incompatibility with Various Substances	Potassium Ferracyanide Reagent	Reactive with oxidizing agents, acids.
	2N Hydrochloric Acid Reagent	Reactive with metals, alkalis.
	Basic Fuchsin Counterstain	Reactive with oxidizing agents, acids. Slightly reactive to reactive with metals.
Rem/Incompatibility	Avoid all possible sources of ignition (spark or flame). Avoid Heat Incompatible with acetic anhydride, metal hydrides, calcum oxychloride. (Ethanol)	

Hazardous Decomposition Products	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	These products are halogenated compounds, hydrogen chloride.
	Basic Fuchsin Counterstain	Not available.
Hazardous Polymerization	Potassium Ferracyanide Reagent	Will not occur.
	2N Hydrochloric Acid Reagent	Will not occur.
	Basic Fuchsin Counterstain	Will not occur.

Section 11. Toxicological Information

RTECS Number:	Potassium Ferrocyanide	Not available.
	Water	ZC0110000
	Hydrochloric Acid	MW4025000
	Basic Fuchsin	CX9850100
	Ethanol	KQ6300000
	Methanol	PC1400000
Toxicity	Potassium Ferracyanide Reagent	LD_{50}: Not available. LC_{50}: Not available.
	2N Hydrochloric Acid Reagent	Acute oral toxicity (LD_{50}): 2703 mg/kg (Rabbit) (Calculated value for the mixture). Acute toxicity of the vapor (LC_{50}): 1664 ppm 4 hours (Mouse) (Calculated value for the mixture).
	Basic Fuchsin Counterstain	Acute oral toxicity (LD_{50}): 3450 mg/kg [Mouse]. (Ethanol). Acute dermal toxicity (LD_{50}): 15800 mg/kg [Rabbit]. (Methanol). Acute toxicity of the vapor (LC_{50}): 20000 ppm 10 hour(s) [Rat]. (Ethanol).

Chronic Effects on Humans

DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED] [Ethanol].
Contains material which may cause damage to the following organs: blood, the reproductive system, liver.

Acute Effects on Humans	Potassium Ferracyanide Reagent	May be hazardous in case of eye contact (irritant). May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. May be hazardous in case of inhalation. Hazardous in case of ingestion.
	2N Hydrochloric Acid Reagent	Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching. Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Hazardous in case of inhalation (lung irritant). Hazardous in case of ingestion.
	Basic Fuchsin Counterstain	May be hazardous in case of eye contact (irritant). May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Non-permeator

		by skin. Hazardous in case of inhalation. Extremely hazardous in case of ingestion. May be fatal if swallowed.
Special Remarks on Toxicity	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
Special Remarks on Chronic Effects on Humans	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
Special Remarks on Other Toxic Effects on Humans	Potassium Ferracyanide Reagent	MAY BE IRRITATING ON CONTACT WITH MUCOUS MEMBRANES.
	2N Hydrochloric Acid Reagent	Irritating to mucous membranes. MAY CAUSE EYE INJURY.
	Basic Fuchsin Counterstain	Not available.
Synergetic Products (Toxicologically)	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
Irritancy	Potassium Ferracyanide Reagent	Draize Test: Not available.
	2N Hydrochloric Acid Reagent	Draize Test: Not available.
	Basic Fuchsin Counterstain	Draize Test: Not available.
Sensitization	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Slightly hazardous in case of inhalation (lung sensitizer).
	Basic Fuchsin Counterstain	Not available.
Carcinogenic Effects	Potassium Ferracyanide Reagent	This material is not known to cause cancer in animals or humans.
	2N Hydrochloric Acid Reagent	This material is not known to cause cancer in animals or humans.
	Basic Fuchsin Counterstain	Classified A1 (Confirmed for human.) by ACGIH [Basic Fuchsin]. Classified 2B (Possible for human.) by IARC [Basic Fuchsin].
Toxicity to Reproductive System		

	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED] [Ethanol].
Teratogenic Effects	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
Mutagenic Effects	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.

Section 12. Ecological Information

Ecotoxicity	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
BOD5 and COD	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
Biodegradable/OECD	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
Mobility	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.
	Potassium Ferracyanide Reagent	These products are carbon oxides (CO, CO2) and water, nitrogen oxides (NO, NO2...). Some metallic oxides.
	2N Hydrochloric Acid Reagent	These products are halogenated compounds.
	Basic Fuchsin	These products are carbon oxides (CO, CO2) and

	Counterstain	water.

Toxicity of the Products of Biodegradation	Potassium Ferracyanide Reagent	The products of degradation are as toxic as the product itself.
	2N Hydrochloric Acid Reagent	The products of degradation are as toxic as the product itself.
	Basic Fuchsin Counterstain	The products of degradation are as toxic as the product itself.

Special Remarks on the Products of Biodegradation	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.

Section 13. Disposal Considerations

EPA Waste Number	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	D002
	Basic Fuchsin Counterstain	D001
Treatment	Potassium Ferracyanide Reagent	Material does not have an EPA Waste number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished.
	2N Hydrochloric Acid Reagent	Specified Technology - Neutralize to pH 6-9. Contact your local permitted waste disposal site (TSD) for permissible treatment sites. Always contact permitted waste disposer (TSD) to asure compliance with all Current local, State and Federal Regulations.
	Basic Fuchsin Counterstain	Incineration, fuels blending or recycle. Contact your local permitted waste disposal site (TSD) for permissible treatment sites. Always contact permitted waste disposer (TSD) to asure compliance with all Current local, State and Federal Regulations.

Section 14. Transport Information

DOT Classification	Proper Shipping Name: Flammable Liquid, N.O.S. (Contains Ethanol, Methanol) Hazard Class:3 UN1993 Packing Group: II RQ: Not Applicable
TDG Classification	Not available.
IMO/IMDG Classification	Not available.
ICAO/IATA Classification	Not available.

Section 15. Regulatory Information

U.S. Federal Regulations	Potassium Ferracyanide Reagent	TSCA 8(b) inventory: Potassium ferrocyanide trihydrate; Water
	2N Hydrochloric Acid Reagent	TSCA 8(b) inventory: Hydrochloric acid; Water
	Basic Fuchsin Counterstain	TSCA 8(b) inventory: Basic Fuchsin; SDA-3A; Water; Methanol; Ethanol
	Potassium Ferracyanide Reagent	SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
	2N Hydrochloric Acid Reagent	SARA 302/304/311/312 extremely hazardous substances: Hydrochloric acid SARA 302/304 emergency planning and notification: Hydrochloric acid SARA 302/304/311/312 hazardous chemicals: Hydrochloric acid SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Hydrochloric acid: Sudden Release of Pressure, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard
	Basic Fuchsin Counterstain	SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Basic Fuchsin; SDA-3A; Methanol; Ethanol SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Basic Fuchsin: Delayed (Chronic) Health Hazard; SDA-3A: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Methanol: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Ethanol: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard
	Potassium Ferracyanide Reagent	SARA 313 toxic chemical notification and release reporting: No products were found.
	2N Hydrochloric Acid Reagent	SARA 313 toxic chemical notification and release reporting: Hydrochloric acid 33.3%
	Basic Fuchsin Counterstain	SARA 313 toxic chemical notification and release reporting: Methanol 7.4%
	Potassium Ferracyanide Reagent	Clean Water Act (CWA) 307: No products were found.
	2N Hydrochloric Acid Reagent	Clean Water Act (CWA) 307: No products were found.
	Basic Fuchsin Counterstain	Clean Water Act (CWA) 307: No products were found.

	Potassium Ferracyanide Reagent	Clean Water Act (CWA) 311: No products were found.
	2N Hydrochloric Acid Reagent	Clean Water Act (CWA) 311: Hydrochloric acid
	Basic Fuchsin Counterstain	Clean Water Act (CWA) 311: No products were found.
	Potassium Ferracyanide Reagent	Clean air act (CAA) 112 accidental release prevention: No products were found.
	2N Hydrochloric Acid Reagent	Clean air act (CAA) 112 accidental release prevention: Hydrochloric acid
	Basic Fuchsin Counterstain	Clean air act (CAA) 112 accidental release prevention: No products were found.
	Potassium Ferracyanide Reagent	Clean air act (CAA) 112 regulated flammable substances: No products were found.
	2N Hydrochloric Acid Reagent	Clean air act (CAA) 112 regulated flammable substances: No products were found.
	Basic Fuchsin Counterstain	Clean air act (CAA) 112 regulated flammable substances: No products were found.
	Potassium Ferracyanide Reagent	Clean air act (CAA) 112 regulated toxic substances: No products were found.
	2N Hydrochloric Acid Reagent	Clean air act (CAA) 112 regulated toxic substances: Hydrochloric acid
	Basic Fuchsin Counterstain	Clean air act (CAA) 112 regulated toxic substances: No products were found.
WHMIS (Canada)	Potassium Ferracyanide Reagent	Class D-2B: Material causing other toxic effects (TOXIC).
	2N Hydrochloric Acid Reagent	Class D-2A: Material causing other toxic effects (VERY TOXIC).
	Basic Fuchsin Counterstain	CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). Class D-2A: Material causing other toxic effects (VERY TOXIC). Class D-2B: Material causing other toxic effects (TOXIC).
	Potassium Ferracyanide Reagent	CEPA DSL: Water
	2N Hydrochloric Acid Reagent	CEPA DSL: Hydrochloric acid; Water
	Basic Fuchsin Counterstain	CEPA DSL: Basic Fuchsin; Ethanol; Methanol; Water
	This product has been classifed in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.	

International Regulations

EINECS	Potassium Ferracyanide Reagent	Potassium ferrocyanide trihydrate	Not available.
	2N Hydrochloric Acid Reagent	Hydrochloric acid	231-595-7
		Water	231-791-2
	Basic Fuchsin Counterstain	Basic Fuchsin	209-321-2
		Ethanol	200-578-6
		Methanol	200-659-6
		Water	231-791-2

DSCL (EEC)	Potassium Ferracyanide Reagent	This product is not classified according to the EU regulations.
	2N Hydrochloric Acid Reagent	R35- Causes severe burns.
	Basic Fuchsin Counterstain	R11- Highly flammable. R36/38- Irritating to eyes and skin.
International Lists	Potassium Ferracyanide Reagent	Australia (NICNAS): Potassium ferrocyanide trihydrate; Water Japan (MITI): Water Korea (TCCL): Water Philippines (RA6969): Potassium ferrocyanide trihydrate; Water
	2N Hydrochloric Acid Reagent	Australia (NICNAS): Hydrochloric acid; Water Japan (MITI): Hydrochloric acid; Water Korea (TCCL): Hydrochloric acid; Water Philippines (RA6969): Hydrochloric acid; Water
	Basic Fuchsin Counterstain	Australia (NICNAS): Ethanol; Methanol; Water Germany water class: Ethanol Japan (MITI): Ethanol; Methanol; Water Korea (TCCL): Ethanol; Methanol; Water Philippines (RA6969): Basic Fuchsin; Ethanol; Methanol; Water
	Potassium Ferracyanide Reagent	China: No products were found.
	2N Hydrochloric Acid Reagent	China: No products were found.
	Basic Fuchsin Counterstain	China: No products were found.
State Regulations	Potassium Ferracyanide Reagent	New Jersey: Potassium Ferracyanide Reagent
	2N Hydrochloric Acid Reagent	Pennsylvania RTK: Hydrochloric acid: (environmental hazard, generic environmental hazard) Massachusetts RTK: Hydrochloric acid New Jersey: 2N Hydrochloric Acid Reagent
	Basic Fuchsin Counterstain	Pennsylvania RTK: Ethanol: (generic environmental hazard); Methanol: (environmental hazard, generic environmental hazard) Massachusetts RTK: Basic Fuchsin; Ethanol; Methanol New Jersey: Basic Fuchsin Counterstain

Potassium Ferracyanide Reagent	California prop. 65: No products were found.
2N Hydrochloric Acid Reagent	California prop. 65: No products were found.
Basic Fuchsin Counterstain	California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Basic Fuchsin California prop. 65 (no significant risk level): Basic Fuchsin California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Basic Fuchsin

Section 16. Other Information

National Fire Protection Association (U.S.A.)

Other Special Considerations	Potassium Ferracyanide Reagent	Not available.
	2N Hydrochloric Acid Reagent	Not available.
	Basic Fuchsin Counterstain	Not available.

Changed Since Last Revision +

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