

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



IRON STAINING KIT

Version 1.0

Revision Date 10-23-2012

Print Date 05-13-2013

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial Product Name : IRON STAINING KIT
Mat.-No./ Genisys-No. : 05279259001

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended restrictions : For professional users only.
on use

1.3 Details of the supplier of the safety data sheet

Company : Ventana Medical Systems
1910 E. Innovation Park Drive
85755 Tucson AZ
E-mail address :
Telephone : 1-800-227-2155 or 520-877-2155
Telefax :
Responsible Department :
In case of emergencies: : CHEMTREC 1-800-424-9300 (U.S. or
Canada)
1-703-527-3887
(International)
:

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Corrosive to metals, Category 1 H290: May be corrosive to metals.
Skin corrosion, Category 1A H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1 H318: Causes serious eye damage.

Classification (67/548/EEC, 1999/45/EC)

Corrosive R35: Causes severe burns.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H290 May be corrosive to metals.

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	H314	Causes severe skin burns and eye damage.
Precautionary statements	Prevention: P234 P264 P280	Keep only in original container. Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.
	Response: P301 + P330 + P331 P303 + P361 + P353 P304 + P340 P305 + P351 + P338	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER or doctor/ physician.
	P321	Specific treatment (see supplemental first aid instructions on this label).
	P363 P390	Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.
	Storage: P405 P406	Store locked up. Store in corrosive resistant stainless steel container with a resistant inner liner.
	Disposal: P501	Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling:

EUH210 Safety data sheet available on request.

2.3 Other hazards

No information available.

3. Composition/information on ingredients

3.2 Mixtures

Iron Reagent A

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

Iron Reagent B

Classification (REGULATION (EC) No 1272/2008)

Corrosive to metals, Category 1
Skin corrosion, Category 1A

H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
hydrogen chloride	7647-01-0 231-595-7	C; R34 Xi; R37	Met. Corr. 1; H290 Skin Corr. 1B; H314 STOT SE 3; H335	< 5

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

Nuclear Fast Red / Red Counterstain II

Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1

H318: Causes serious eye damage.

Classification (67/548/EEC, 1999/45/EC)

Irritant

R36: Irritating to eyes.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Aluminium sulfate- hexadecahydrate	16828-11-8	Xi; Xi; R41	Eye Dam. 1; H318	>= 5 - < 10

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

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4. First aid measures

4.1 Description of first aid measures

- | | |
|-------------------------|---|
| General advice | : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended. |
| If inhaled | : Move to fresh air.
If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician. |
| In case of skin contact | : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
If on skin, rinse well with water.
If on clothes, remove clothes. |
| In case of eye contact | : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist. |
| If swallowed | : Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.
Rinse mouth with water. |

4.2 Most important symptoms and effects, both acute and delayed

- | | |
|----------|-----------------------------|
| Symptoms | : No information available. |
|----------|-----------------------------|

4.3 Indication of any immediate medical attention and special treatment needed

- | | |
|-----------|--|
| Treatment | : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine. |
|-----------|--|

5. Firefighting measures

5.1 Extinguishing media

- | | |
|------------------------------|---|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|------------------------------|---|

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Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Treat recovered material as described in the section "Disposal considerations".

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. To prevent leaks or spillages from spreading, provide a suitable liquid retention system.

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Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : See label, package insert or internal guidelines

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Laboratory chemicals

8. Exposure controls/personal protection

Exposure Guidelines

Iron Reagent A

Contains no substances with occupational exposure limit values.

Iron Reagent B

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Source
hydrogen chloride	7647-01-0	C	2 ppm	USA. ACGIH Threshold Limit Values (TLV)
		C	5 ppm 7 mg/m3	USA. NIOSH Recommended Exposure Limits
		C	5 ppm 7 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		C	5 ppm 7 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Nuclear Fast Red / Red Counterstain II

Contains no substances with occupational exposure limit values.

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Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Hand protection : Protective gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Iron Reagent A

Appearance : liquid

Colour : yellow

pH : 8.7

Melting point/range : no data available

Boiling point/boiling range : no data available

Flash point : not applicable

Flammability (solid, gas) : The product is not flammable.

Lower explosion limit : no data available

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Upper explosion limit	: no data available
Vapour pressure	: no data available
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

Iron Reagent B

Appearance	: liquid
Colour	: colourless
pH	: 0.06
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: not applicable
Flammability (solid, gas)	: The product is not flammable.
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available

Nuclear Fast Red / Red Counterstain II

Appearance	: liquid
Colour	: red
Odour	: none
pH	: acidic
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: does not flash
Flammability (solid, gas)	: The product is not flammable.
Lower explosion limit	: no data available
Upper explosion limit	: no data available

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Vapour pressure	: no data available
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: Hazardous decomposition products formed under fire conditions.
Viscosity, dynamic	: no data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

9.2 Other information

Iron Reagent A

Conductivity	: no data available
Oxidising potential	: no data available
Surface tension	: no data available

Iron Reagent B

Conductivity	: no data available
Oxidising potential	: no data available
Surface tension	: no data available

Nuclear Fast Red / Red Counterstain II

Conductivity	: no data available
Oxidising potential	: no data available
Surface tension	: no data available

10. Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	: Further information: No decomposition if stored and applied as directed.
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10.4 Conditions to avoid

Conditions to avoid	: no data available
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10.5 Incompatible materials

Materials to avoid	: no data available
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10.6 Hazardous decomposition products

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Hazardous decomposition products : Carbon oxides
nitrogen oxides (NOx)
Hydrogen cyanide (hydrocyanic acid)
Hydrogen chloride gas

11. Toxicological information

11.1 Information on toxicological effects

Iron Reagent A

No ingredients are hazardous according to OSHA criteria.

Iron Reagent B

Components:

hydrogen chloride :

Acute oral toxicity : no data available
Acute inhalation toxicity : no data available
Acute dermal toxicity : no data available
Acute toxicity (other routes of administration) : no data available
Skin corrosion/irritation : Result: Causes burns., Extremely corrosive and destructive to tissue.
Serious eye damage/eye irritation : Result: Risk of serious damage to eyes., May cause irreversible eye damage.
STOT - single exposure : Assessment: May cause respiratory irritation.
STOT - repeated exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration toxicity : no data available
Further information : no data available

Nuclear Fast Red / Red Counterstain II

Components:

Aluminium sulfate-hexadecahydrate :

Acute oral toxicity : LD50 Oral: > 5,000 mg/kg, rat
Acute inhalation toxicity : no data available
Acute dermal toxicity : no data available
Acute toxicity (other routes of administration) : no data available
Skin corrosion/irritation : This information is not available.
Serious eye damage/eye irritation : Result: Risk of serious damage to eyes., May cause irreversible eye damage.
Respiratory or skin : Result: no data available

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sensitization

STOT - single exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity : no data available

Further information : no data available

12. Ecological information

12.1 Toxicity

Iron Reagent A

No ingredients are hazardous according to OSHA criteria.

Iron Reagent B

Components:

hydrogen chloride :

Toxicity to fish : no data available

Toxicity to daphnia and other : no data available

aquatic invertebrates

Toxicity to algae : no data available

Toxicity to bacteria : no data available

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known eco-toxicological effects.

Chronic aquatic toxicity : This product has no known eco-toxicological effects.

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to the environment : no data available

Nuclear Fast Red / Red Counterstain II

Components:

Aluminium sulfate-hexadecahydrate :

Toxicity to fish : LC50: 37 mg/l, 4 d, Gambusia affinis (Mosquito fish)

Toxicity to daphnia and other : LC50: ca. 136 mg/l, 1 h, Daphnia magna (Water flea)

aquatic invertebrates

Toxicity to algae : no data available

Toxicity to bacteria : no data available

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known eco-toxicological effects.

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Chronic aquatic toxicity : This product has no known eco-toxicological effects.

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to the environment : no data available

12.2 Persistence and degradability

Iron Reagent A

No ingredients are hazardous according to OSHA criteria.

Iron Reagent B

Components:

hydrogen chloride :

Biodegradability : no data available

Nuclear Fast Red / Red Counterstain II

Components:

Aluminium sulfate-hexadecahydrate :

Biodegradability : no data available

12.3 Bioaccumulative potential

Iron Reagent A

No ingredients are hazardous according to OSHA criteria.

Iron Reagent B

Components:

hydrogen chloride :

Bioaccumulation : no data available

Nuclear Fast Red / Red Counterstain II

Components:

Aluminium sulfate-hexadecahydrate :

Bioaccumulation : no data available

12.4 Mobility in soil

Iron Reagent A

No ingredients are hazardous according to OSHA criteria.

Iron Reagent B

Components:

hydrogen chloride :

Mobility : no data available

Distribution among environmental compartments : no data available

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Environmental fate and pathways : no data available
Physico-chemical removability : no data available

Nuclear Fast Red / Red Counterstain II

Components:

Aluminium sulfate-hexadecahydrate :

Mobility : no data available
Distribution among environmental compartments : no data available
Environmental fate and pathways : no data available
Physico-chemical removability : no data available

12.5 Results of PBT and vPvB assessment

Iron Reagent A

No ingredients are hazardous according to OSHA criteria.

Iron Reagent B

Components:

hydrogen chloride :

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

Nuclear Fast Red / Red Counterstain II

Components:

Aluminium sulfate-hexadecahydrate :

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Iron Reagent A

No ingredients are hazardous according to OSHA criteria.

Iron Reagent B

Components:

hydrogen chloride :

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Biochemical Oxygen Demand (BOD) : no data available
Dissolved organic carbon (DOC) : no data available
Chemical Oxygen Demand (COD) : no data available
Adsorbed organic bound halogens (AOX) : no data available
Additional ecological information : no data available

Nuclear Fast Red / Red Counterstain II

Components:

Aluminium sulfate-hexadecahydrate :

Biochemical Oxygen Demand (BOD) : no data available
Dissolved organic carbon (DOC) : no data available
Chemical Oxygen Demand (COD) : no data available
Adsorbed organic bound halogens (AOX) : not applicable

13. Disposal considerations

13.1 Waste treatment methods

Product : Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

14. Transport information

14.1 UN number

DOT : 3316
IMDG : 3316
IATA : 3316

14.2 Proper shipping name

DOT : Chemical kits
IMDG : Chemical kit

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IATA : Chemical kit

14.3 Transport hazard class

DOT : 9
IMDG : 9
IATA : 9

14.4 Packing group

DOT
Packaging group : II
Labels : 9
Tunnel restriction code : packed
IMDG
Packaging group : II
Labels : 9
EmS Number : F-A, S-P
IATA_C
Packing instruction (cargo aircraft) : 960
Packaging group : II
Labels : 9
IATA_P
Packing instruction (passenger aircraft) : 960
Packaging group : II
Labels : 9

14.5 Environmental hazards

DOT
Environmentally hazardous : no
IMDG
Marine Pollutant : no
IATA
Environmentally hazardous : no

14.6 Special precautions for user

no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Iron Reagent A
REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

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WHMIS Classification : Not Rated

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

CERCLA Reportable Quantity

SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

SARA 311/312 Hazards : No SARA Hazards

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 : This material does not contain any components with a section 304 EHS RQ.

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Components	:	water	90 - 100 %
		Potassium	10 - 30 %
		hexacyanidoferrate(II)	
		trihydrate	

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New Jersey Right To Know

Components	:	water	90 - 100 %
		Potassium	10 - 30 %
		hexacyanidoferrate(II)	
		trihydrate	

California Prop 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Iron Reagent B

REGULATORY INFORMATION

OSHA Hazards : Corrosive to skin
Severe eye irritant
Moderate respiratory irritant

WHMIS Classification : D2B Toxic Material Causing Other Toxic Effects
Moderate respiratory irritant
E Corrosive Material
Corrosive to metals

Corrosive to skin

Corrosive to eyes

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

CERCLA Reportable Quantity

Components	:	<u>hydrogen chloride</u>	5000 lbs
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SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

Acute Health Hazard

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 : This material does not contain any components with a section 304 EHS RQ.

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Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

hydrogen chloride 2 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

US State Regulations

Massachusetts Right To Know

Components : hydrogen chloride 1 - 5 %

Pennsylvania Right To Know

Components : water 90 - 100 %
hydrogen chloride 1 - 5 %

New Jersey Right To Know

Components : water 90 - 100 %
hydrogen chloride 1 - 5 %

California Prop 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Nuclear Fast Red / Red Counterstain II

REGULATORY INFORMATION

OSHA Hazards : Severe eye irritant

WHMIS Classification : D2B Toxic Material Causing Other Toxic Effects
Severe eye irritant

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

CERCLA Reportable Quantity

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Components : Aluminium sulfate-hexadecahydrate 5000 lbs

SARA 302 Reportable Quantity

Product : Calculated RQ exceeds reasonably attainable upper limit.

Components : sodium azide
Acute Health Hazard

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:

Components : sodium azide

SARA 304 : Calculated RQ exceeds reasonably attainable upper limit.
Components : sodium azide

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Aluminium sulfate-hexadecahydrate

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Aluminium sulfate-hexadecahydrate

US State Regulations

Massachusetts Right To Know

Components : Aluminium sulfate-hexadecahydrate 5 - 10 %
sodium azide 0 - 0.1 %

Pennsylvania Right To Know

Components : water 60 - 100 %
Aluminium sulfate-hexadecahydrate 5 - 10 %
sodium azide 0 - 0.1 %

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



IRON STAINING KIT

Version 1.0

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New Jersey Right To Know

Components	:	water	60 - 100 %
		Aluminium sulfate-hexadecahydrate	5 - 10 %

California Prop 65 Components	:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
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15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R34	Causes burns.
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Full text of H-Statements referred to under sections 2 and 3.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.