

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SPECIAL STAINS GMS II STAIN KIT PACK

Version 1.0

Revision Date 10-24-2012

Print Date 05-13-2013

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

1.1 Product identifier

Commercial Product Name : SPECIAL STAINS GMS II STAIN KIT PACK
Mat.-No./ Genisys-No. : 05412749001

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)

Oxidizing liquids, Category 1	H271: May cause fire or explosion; strong oxidiser.
Corrosive to metals, Category 1	H290: May be corrosive to metals.
Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Acute toxicity, Category 4	H312: Harmful in contact with skin.
Skin corrosion, Category 1A	H314: Causes severe skin burns and eye damage.
Respiratory sensitization, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Germ cell mutagenicity, Category 1B	H340: May cause genetic defects.
Carcinogenicity, Category 1A	H350: May cause cancer.
Reproductive toxicity, Category 2	H361f: Suspected of damaging fertility.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

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

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Carcinogenic Category 1

Mutagenic Category 2

Toxic

Harmful

Harmful

Corrosive

Irritant

Dangerous for the environment

R45: May cause cancer.

R46: May cause heritable genetic damage.

R23: Toxic by inhalation.

R21/22: Harmful in contact with skin and if swallowed.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R35: Causes severe burns.

R36/37/38: Irritating to eyes, respiratory system and skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

:



Signal word

:

Danger

Hazard statements

:

H271

May cause fire or explosion; strong oxidiser.

H290

May be corrosive to metals.

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled

H314

Causes severe skin burns and eye damage.

H317

May cause an allergic skin reaction.

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335

May cause respiratory irritation.

H340

May cause genetic defects.

H350

May cause cancer.

H361f

Suspected of damaging fertility.

H373

May cause damage to organs through prolonged or repeated exposure.

H411

Toxic to aquatic life with long lasting effects.

Precautionary statements

:

Prevention:

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P210

Keep away from heat.

P220

Keep/Store away from clothing/ combustible materials.

P221

Take any precaution to avoid mixing with combustibles.

P234

Keep only in original container.

P260

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264

Wash skin thoroughly after handling.

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- | | |
|------|---|
| P270 | Do not eat, drink or smoke when using this product. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/ protective clothing/ eye protection/ face protection. |
| P283 | Wear fire/ flame resistant/ retardant clothing. |

Response:

- | | |
|--------------------|--|
| P301 + P312 | IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. |
| P301 + P330 + P331 | IF SWALLOWED: rinse mouth. Do NOT induce vomiting. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| P304 + P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P306 + P360 | IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes. |
| P310 | Immediately call a POISON CENTER or doctor/ physician. |
| P322 | Specific measures (see supplemental first aid instructions on this label). |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/ attention. |
| P363 | Wash contaminated clothing before reuse. |
| P370 + P378 | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. |
| P371 + P380 + P375 | In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. |
| P390 | Absorb spillage to prevent material damage. |
| P391 | Collect spillage. |
| Storage: | |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P406 | Store in corrosive resistant stainless steel container with a resistant inner liner. |
| Disposal: | |
| P501 | Dispose of contents/ container to an approved waste disposal plant. |

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Additional Labelling:

Restricted to professional users.

EUH208 Contains: Gold chloride, hydrochloride, trihydrate May produce an allergic reaction.

2.3 Other hazards

No information available.

3. Composition/information on ingredients

3.2 Mixtures

Oxidizer

Classification (REGULATION (EC) No 1272/2008)

Oxidizing liquids, Category 1

Corrosive to metals, Category 1

Acute toxicity, Category 4

Acute toxicity, Category 4

Acute toxicity, Category 4

Skin corrosion, Category 1A

Respiratory sensitization, Category 1

Skin sensitization, Category 1

Germ cell mutagenicity, Category 1B

Carcinogenicity, Category 1A

Reproductive toxicity, Category 2

Specific target organ toxicity - single exposure, Category 3, Respiratory system

Specific target organ toxicity - repeated exposure, Category 2

Chronic aquatic toxicity, Category 2

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

Carcinogenic Category 1

Toxic

Mutagenic Category 2

Harmful

Sensitising

Irritant

Dangerous for the environment

Hazardous components

H271: May cause fire or explosion; strong oxidiser.

H290: May be corrosive to metals.

H302: Harmful if swallowed.

H332: Harmful if inhaled.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.

H340: May cause genetic defects.

H350: May cause cancer.

H361f: Suspected of damaging fertility.

H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects.

R45: May cause cancer.

R23: Toxic by inhalation.

R46: May cause heritable genetic damage.

R48/20, R21/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation., Harmful in contact with skin and if swallowed.

R42/43: May cause sensitization by inhalation and skin contact.

R36/37/38: Irritating to eyes, respiratory system and skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
chromium trioxide	1333-82-0 215-607-8	O; R 9 Carc.Cat.1; R45 Repr.Cat.3; R62 Mut.Cat.2; R46 T+; R26 T; R24/25-R48/23 C; R35 R42/43 N; R50-R53	Ox. Sol. 1; H271 Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1A; H314 Resp. Sens. 1; H334 Skin Sens. 1; H317 Muta. 1B; H340 Carc. 1A; H350 Repr. 2; H361f STOT RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 3 - < 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.

*Neutralizer***Classification (REGULATION (EC) No 1272/2008)**

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

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

*Silver A***Classification (REGULATION (EC) No 1272/2008)**

Chronic aquatic toxicity, Category 2

H411: Toxic to aquatic life with long lasting effects.

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

Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration	Classification (67/548/EEC)	Classification (REGULATION (EC) No	Concentration [%]
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	number		1272/2008)	
silver nitrate	7761-88-8 231-853-9	C; R34 O; R 8 N; R50-R53	Ox. Sol. 2; H272 Acute Tox. 4; H302 Skin Corr. 1B; H314 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.25 - < 2.5

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.

Silver B

Classification (REGULATION (EC) No 1272/2008)

Skin sensitization, Category 1

H317: May cause an allergic skin reaction.

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

Harmful

R43: May cause sensitization by skin contact.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
methenamine	100-97-0 202-905-8	Xn; Xn; R43 F; F; R11	Flam. Sol. 2; H228 Skin Sens. 1; H317	>= 10 - < 20
borax decahydrate	1303-96-4 215-540-4	Repr.Cat.2; R60- R61	Acute Tox. 4; H312 Eye Irrit. 2; H319 Repr. 1B; H360FD	>= 0.5 - < 8.5

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.

Toner

Classification (REGULATION (EC) No 1272/2008)

Skin corrosion, Category 1A

H314: Causes severe skin burns and eye damage.

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

Corrosive

R35: Causes severe burns.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration	Classification (67/548/EEC)	Classification (REGULATION (EC) No	Concentration [%]
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	number		1272/2008)	
Gold chloride, hydrochloride, trihydrate	16961-25-4 240-948-4	C; C; R34 Xi; Xi; R43	Skin Corr. 1B; H314 Skin Sens. 1; H317	>= 0.1 - < 1

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.

Fixer

Classification (REGULATION (EC) No 1272/2008)

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

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

Light Green Counterstain

Classification (REGULATION (EC) No 1272/2008)

Skin corrosion, Category 1A

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 [%]
acetic acid	64-19-7 200-580-7	R10 C; R35	Flam. Liq. 3; H226 Skin Corr. 1A; H314	>= 1 - < 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.

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 : Call a physician or poison control centre immediately.

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- Move to fresh air.
If unconscious place in recovery position and seek medical advice.
- 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 : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

- 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 : Wear self contained breathing apparatus for fire fighting if

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for firefighters

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.
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

: Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
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

: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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

: Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

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used.

To prevent leaks or spillages from spreading, provide a suitable liquid retention system.

Advice on protection against fire and explosion : Keep away from combustible material.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Prevent unauthorized access.
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

Oxidizer

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Source
chromium trioxide	1333-82-0	TWA	0.001 mg/m3	USA. NIOSH Recommended Exposure Limits

Neutralizer

Contains no substances with occupational exposure limit values.

Silver A

Contains no substances with occupational exposure limit values.

Silver B

Components with workplace control parameters

Components	CAS-No.	Value	Control	Source
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			parameters	
borax decahydrate	1303-96-4	TWA	5 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	10 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	2 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		STEL	6 mg/m3	USA. ACGIH Threshold Limit Values (TLV)

Toner

Contains no substances with occupational exposure limit values.

Fixer

Contains no substances with occupational exposure limit values.

Light Green Counterstain

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Source
acetic acid	64-19-7	TWA	10 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	15 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	10 ppm 25 mg/m3	USA. NIOSH Recommended Exposure Limits
		ST	15 ppm 37 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	10 ppm 25 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	10 ppm 25 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Personal protective equipment

Eye protection

: Eye wash bottle with pure water
Tightly fitting safety goggles

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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.

Respiratory protection

:

In the case of vapour formation use a respirator with an approved filter.

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

Oxidizer

Appearance

:

liquid

Colour

:

orange

pH

:

0.45

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

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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
<i>Neutralizer</i>	
Appearance	: liquid
Colour	: colourless
Odour	: sulphurous
pH	: 3.59
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
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
<i>Silver A</i>	
Appearance	: liquid
Colour	: colourless
pH	: 5.4
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

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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.

Silver B

Appearance : liquid

Colour : colourless

pH : 9.6 - 9.9

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

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Toner

Appearance : liquid

Colour : yellow

pH : 2.0 - 3.0

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-

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octanol/water

Ignition temperature : no data available

Thermal decomposition : no data available

Viscosity, dynamic : no data available

Fixer

Appearance : liquid

Colour : colourless

Odour : sulphurous

pH : 6.77

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 soluble

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.

Light Green Counterstain

Appearance : liquid

Colour : greenish-blue

Odour : vinegar-like

pH : 2.0 - 3.0

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

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Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available

9.2 Other information

Oxidizer

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

Neutralizer

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

Silver A

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

Silver B

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

Toner

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

Fixer

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

Light Green Counterstain

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.

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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.

10.4 Conditions to avoid

Conditions to avoid : no data available
Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

11. Toxicological information

11.1 Information on toxicological effects

Oxidizer

Components:

chromium trioxide :

Acute oral toxicity : LD50 Oral: 80 mg/kg, rat
: LD50 Oral: 127 mg/kg, mouse
Acute inhalation toxicity : no data available
Acute dermal toxicity : LD50 Dermal: 55 mg/kg, rat
Acute toxicity (other routes of administration) : no data available
Skin corrosion/irritation : Extremely corrosive and destructive to tissue.
Serious eye damage/eye irritation : May cause irreversible eye damage.
Respiratory or skin sensitization : Causes sensitization.
STOT - single exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.
Aspiration toxicity : no data available
Further information : no data available

Neutralizer

No ingredients are hazardous according to OSHA criteria.

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Silver A

No ingredients are hazardous according to OSHA criteria.

Silver B

Components:

methenamine :

Acute oral toxicity	: LD50 Oral: 9,200 mg/kg, rat
	: LD50 Oral: 569 mg/kg, mouse
Acute inhalation toxicity	: no data available
Acute dermal toxicity	: LD50 Dermal: > 2,001 mg/kg, rat
Acute toxicity (other routes of administration)	: no data available
Skin corrosion/irritation	: rabbit, Result: No skin irritation, OECD Test Guideline 404
Serious eye damage/eye irritation	: rabbit, Result: No eye irritation
Respiratory or skin sensitization	: guinea pig, Result: May cause sensitization by skin contact.
Germ cell mutagenicity	
Genotoxicity in vitro	: Ames test, Result: negative
STOT - single exposure	: Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.
Aspiration toxicity	: no data available
Further information	: no data available

borax decahydrate :

Acute oral toxicity	: LD50 Oral: 2,660 mg/kg, rat
	: LD50 Oral: 2,000 mg/kg, mouse
Acute inhalation toxicity	: no data available
Acute dermal toxicity	: LD50 Dermal: > 2,000 mg/kg, rabbit
Acute toxicity (other routes of administration)	: no data available
Skin corrosion/irritation	: May cause skin irritation in susceptible persons.
Serious eye damage/eye irritation	: Result: Irritating to eyes., May cause irreversible eye damage.
Respiratory or skin sensitization	: Result: no data available
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.

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Aspiration toxicity : no data available

Further information : no data available

Toner

No ingredients are hazardous according to OSHA criteria.

Fixer

No ingredients are hazardous according to OSHA criteria.

Light Green Counterstain

Components:

acetic acid :

Acute oral toxicity : LD50 Oral: 3,310 mg/kg, rat

Acute dermal toxicity : LD50 Dermal: 1016 µl/kg, rabbit

Acute toxicity (other routes of administration) : no data available

Skin corrosion/irritation : Result: Causes severe burns., Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation : May cause irreversible eye damage.

Respiratory or skin sensitization : Result: no data available

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

Aspiration toxicity : no data available

Further information : no data available

12. Ecological information

12.1 Toxicity

Oxidizer

Components:

chromium trioxide :

Toxicity to fish : LC50: 29 mg/l, Fish

Toxicity to daphnia and other aquatic invertebrates : EC50: 0.162 mg/l, 48 h, Daphnia magna (Water flea)

Toxicity to algae : no data available

Toxicity to bacteria : no data available

Ecotoxicology Assessment

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

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Other organisms relevant to the environment : no data available

Neutralizer

No ingredients are hazardous according to OSHA criteria.

Silver A

No ingredients are hazardous according to OSHA criteria.

Silver B

Components:

methenamine :

Toxicity to fish : LC50: 49,800 mg/l, 96 h, Pimephales promelas (fathead minnow), OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50: 36,000 mg/l, Daphnia magna (Water flea)

Toxicity to algae : no data available

Toxicity to bacteria : no data available

Ecotoxicology Assessment

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

Other organisms relevant to the environment : no data available

borax decahydrate :

Toxicity to fish : LC50: 630 mg/l, 72 h, Carassius auratus (goldfish)

Toxicity to daphnia and other aquatic invertebrates : EC50: > 1,085 mg/l, 48 h, Daphnia magna (Water flea)

Toxicity to algae : IC50: 158 mg/l, 96 h, Desmodesmus subspicatus (green algae)

Toxicity to bacteria : EC0: 15.8 mg/l, 16 h, Pseudomonas putida

Ecotoxicology Assessment

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

Other organisms relevant to the environment : no data available

Toner

No ingredients are hazardous according to OSHA criteria.

Fixer

No ingredients are hazardous according to OSHA criteria.

Light Green Counterstain

Components:

acetic acid :

Toxicity to fish : LC50: 410 mg/l, 48 h, Leuciscus idus (Golden orfe)

Toxicity to daphnia and other aquatic invertebrates : EC50: 95 mg/l, 24 h, Daphnia magna (Water flea)

Toxicity to algae : no data available

Toxicity to bacteria : no data available

Ecotoxicology Assessment

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

Other organisms relevant to the environment : no data available

12.2 Persistence and degradability

Oxidizer

Components:

chromium trioxide :

Biodegradability : no data available

Neutralizer

No ingredients are hazardous according to OSHA criteria.

Silver A

No ingredients are hazardous according to OSHA criteria.

Silver B

Components:

methenamine :

Biodegradability : 75 %, Result: Not readily biodegradable., Exposure time: 26 d,
Concentration: 652 mg/l

borax decahydrate :

Biodegradability : no data available

Toner

No ingredients are hazardous according to OSHA criteria.

Fixer

No ingredients are hazardous according to OSHA criteria.

Light Green Counterstain

Components:

acetic acid :

Biodegradability : 71 %, Exposure time: 5 d

12.3 Bioaccumulative potential

Oxidizer

Components:

chromium trioxide :

Bioaccumulation : no data available

Neutralizer

No ingredients are hazardous according to OSHA criteria.

Silver A

No ingredients are hazardous according to OSHA criteria.

Silver B

Components:

methenamine :

Bioaccumulation : no data available

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borax decahydrate :

Bioaccumulation : no data available

Toner

No ingredients are hazardous according to OHSA criteria.

Fixer

No ingredients are hazardous according to OHSA criteria.

Light Green Counterstain

Components:

acetic acid :

Bioaccumulation : no data available

12.4 Mobility in soil

Oxidizer

Components:

chromium trioxide :

Mobility : no data available

Distribution among : no data available

environmental compartments

Environmental fate and : no data available

pathways

Physico-chemical : no data available

removability

Neutralizer

No ingredients are hazardous according to OHSA criteria.

Silver A

No ingredients are hazardous according to OHSA criteria.

Silver B

Components:

methenamine :

Mobility : no data available

Distribution among : no data available

environmental compartments

Environmental fate and : no data available

pathways

Physico-chemical : no data available

removability

borax decahydrate :

Mobility : no data available

Distribution among : no data available

environmental compartments

Environmental fate and : no data available

pathways

Physico-chemical : no data available

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removability

Toner

No ingredients are hazardous according to OHSA criteria.

Fixer

No ingredients are hazardous according to OHSA criteria.

Light Green Counterstain

Components:

acetic acid :

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

Oxidizer

Components:

chromium trioxide :

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).
------------	--

Neutralizer

No ingredients are hazardous according to OHSA criteria.

Silver A

No ingredients are hazardous according to OHSA criteria.

Silver B

Components:

methenamine :

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).
------------	--

borax decahydrate :

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).
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Toner

No ingredients are hazardous according to OSHA criteria.

Fixer

No ingredients are hazardous according to OSHA criteria.

Light Green Counterstain

Components:

acetic acid :

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

Product:

Additional ecological information

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life with long lasting effects.

Oxidizer

Components:

chromium trioxide :

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

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.

Neutralizer

No ingredients are hazardous according to OSHA criteria.

Silver A

No ingredients are hazardous according to OSHA criteria.

Silver B

Components:

methenamine :

Biochemical Oxygen Demand (BOD)

: no data available

Dissolved organic carbon (DOC)

: no data available

Chemical Oxygen Demand (COD)

: no data available

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Adsorbed organic bound halogens (AOX) : no data available
Additional ecological information : no data available

borax decahydrate :

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

Toner

No ingredients are hazardous according to OSHA criteria.

Fixer

No ingredients are hazardous according to OSHA criteria.

Light Green Counterstain

Components:

acetic acid :

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

13. Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
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.

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Do not burn, or use a cutting torch on, the empty drum.

14. Transport information

14.1 UN number

DOT	: 3316
IMDG	: 3316
IATA	: 3316

14.2 Proper shipping name

DOT	: Chemical kits
IMDG	: Chemical kit
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

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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

Oxidizer

REGULATORY INFORMATION

OSHA Hazards

: Toxic by ingestion
Highly toxic by skin absorption

WHMIS Classification

: D1A Very Toxic Material Causing Immediate and Serious Toxic Effects
Highly toxic by skin absorption
D1B Toxic Material Causing Immediate and Serious Toxic Effects
Toxic by ingestion
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

SARA 302 Reportable Quantity

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

SARA 311/312 Hazards

: 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.

Clean Air Act

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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

Components	: chromium trioxide	1 - 5 %
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Pennsylvania Right To Know

Components	: water	90 - 100 %
	: chromium trioxide	1 - 5 %

New Jersey Right To Know

Components	: water	90 - 100 %
	: chromium trioxide	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.

Neutralizer

REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

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.

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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 %

New Jersey Right To Know

Components : water 90 - 100 %

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.

Silver 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

Components : silver nitrate 1 lbs

SARA 302 Reportable Quantity

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

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

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

silver nitrate

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

silver nitrate

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 %
silver nitrate 0.1 - 1 %

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New Jersey Right To Know

Components : water 90 - 100 %

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.

Silver B

REGULATORY INFORMATION

OSHA Hazards : Harmful by skin absorption.
Moderate eye irritant

WHMIS Classification : D2B Toxic Material Causing Other Toxic Effects
Moderate 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

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.

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).

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The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

methenamine 13.5 %

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 : borax decahydrate 1 - 5 %

Pennsylvania Right To Know

Components : water 70 - 90 %
methenamine 10 - 30 %
borax decahydrate 1 - 5 %

New Jersey Right To Know

Components : water 70 - 90 %
methenamine 10 - 30 %
borax decahydrate 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.

Toner

REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

WHMIS Classification : 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

SARA 302 Reportable Quantity

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

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 %

New Jersey Right To Know

Components : water 90 - 100 %

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.

Fixer

REGULATORY INFORMATION

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OSHA Hazards : No OSHA Hazards

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.

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 %

New Jersey Right To Know

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Components : water 90 - 100 %
sodium thiosulphate 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.

Light Green Counterstain

REGULATORY INFORMATION

OSHA Hazards : Corrosive to skin

WHMIS Classification : 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 : acetic acid 5000 lbs

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.

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).

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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).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

acetic acid 1 %

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 : acetic acid 1 - 5 %

Pennsylvania Right To Know

Components : water 90 - 100 %
acetic acid 1 - 5 %

New Jersey Right To Know

Components : water 90 - 100 %
acetic acid 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.

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

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

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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.