

Part Number: 9180

## 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product Name:** Trichrome, Masson, Fast Green Stain Kit  
**Part Number:** 9180  
**CAS-No.:** Not applicable  
**SDS Number:** 6360

**1.2 Recommended Use:** Laboratory Chemicals

**1.3 Company:** NEWCOMER SUPPLY  
1020 PRAIRIE VIEW CT  
WAUNAKEE WI 53597-8512

**Telephone:** 1-800-383-7799

**Fax:** 1-608-831-0866

**Website:** [www.newcomersupply.com](http://www.newcomersupply.com)

**Email:** [info@newcomersupply.com](mailto:info@newcomersupply.com)

24 HOUR EMERGENCY CONTACT  
CALL CHEMTREC: 1-800-424-9300  
Contact CHEMTREC only in the event of an emergency involving a chemical spill, leak, fire, exposure or other accident.

## 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS Classification, (in accordance with 29 CFR1910.1200)

Flammable liquid, Category 2

Corrosive to metals, Category 1

Acute toxicity (oral), Category 3

Acute toxicity (dermal), Category 3

Acute toxicity (inhalation), Category 4

Skin corrosion, Category 1B

Serious eye damage, Category 1

Skin sensitisation, Category 1

Respiratory sensitization, Category 1

Carcinogenicity, Category 1A

Specific Target Organ Toxicity – Single exposure, Category 1

Specific Target Organ Toxicity – Repeated exposure, Category 1

Germ cell mutagenicity, Category 2

### 2.2 GHS Label elements

**Signal Word** DANGER

**Pictogram**



**Hazard Statement(s):**

- Highly flammable liquid and vapour
- May be corrosive to metals
- Toxic if swallowed
- Toxic in contact with skin
- Harmful if inhaled
- Causes severe skin burns and eye damage
- May cause an allergic skin reaction
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- Suspected of causing cancer
- Causes damage to organs
- Causes damage to organs through prolonged or repeated exposure
- Suspected of causing genetic defects

**Precautionary Statement(s):**

**Prevention:**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.

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- Keep away from heat/sparks/open flames/hot surfaces – No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof fume hood/electrical/ventilating/light equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- In case of inadequate ventilation wear respiratory protection.
- Wash skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.

### Response:

- In case of fire use carbon dioxide, dry chemical or alcohol-resistant foam.
- Absorb spillage to prevent material damage.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- Specific treatment: see first aid measures in section 4.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- If skin irritation or a rash occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- Immediately call a POISON CENTER or doctor/physician.
- Wash contaminated clothing before reuse.

### Storage:

- Store in a corrosive resistant container/container with a resistant inner liner.
- Keep container tightly closed.
- Store in a well ventilated place. Keep cool.
- Store locked up.

### Disposal:

- Dispose of contents/ container to an approved waste disposal plant.

**2.3 Description of any hazards not otherwise classified** None

**2.4 >1% of mixture with unknown acute toxicity** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

See component SDS

## 4. FIRST-AID MEASURES

See component SDS

## 5. FIRE-FIGHTING MEASURES

See component SDS

## 6. ACCIDENTAL RELEASE MEASURES

See component SDS

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

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Keep away from heat/sparks/open flames/hot surfaces – No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

## 7.2 Conditions for safe storage, including any incompatibilities

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

See component SDS

## 9. PHYSICAL AND CHEMICAL PROPERTIES

See component SDS

## 10. STABILITY AND REACTIVITY

See component SDS

## 11. TOXICOLOGICAL INFORMATION

See component SDS

## 12. ECOLOGICAL INFORMATION

See component SDS

## 13. DISPOSAL CONSIDERATIONS

See component SDS

## 14. TRANSPORT INFORMATION

### 14.1 DOT (US)

<b>UN-Number</b>	No data available
<b>Proper shipping name</b>	No data available
<b>Hazard class</b>	No data available
<b>Packing group</b>	No data available
<b>Environmental hazards</b>	No data available

## 15. REGULATORY INFORMATION

See component SDS

## 16. OTHER INFORMATION

Preparation Information  
Newcomer Supply Inc.  
800-383-7799  
[www.newcomersupply.com](http://www.newcomersupply.com)  
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Part Number: 9180

## 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product Name:** Trichrome, Masson, Fast Green Stain Kit, Sol'n A: Bouin Fluid

**Part Number:** 9180

**CAS-No.:** Not applicable

**SDS Number:** 2440

**1.2 Recommended Use:** Laboratory Chemicals

**1.3 Company:** NEWCOMER SUPPLY  
1020 PRAIRIE VIEW CT  
WAUNAKEE WI 53597-8512

**Telephone:** 1-800-383-7799

**Fax:** 1-608-831-0866

**Website:** [www.newcomersupply.com](http://www.newcomersupply.com)

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CALL CHEMTREC: 1-800-424-9300  
Contact CHEMTREC only in the event of an emergency involving a chemical spill, leak, fire, exposure or other accident.

## 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS Classification, (in accordance with 29 CFR1910.1200)

Flammable liquid, Category 4

Acute toxicity (oral), Category 3

Acute toxicity (dermal), Category 3

Acute toxicity (inhalation), Category 4

Skin corrosion, Category 1B

Serious eye damage, Category 1

Skin sensitisation, Category 1

Respiratory sensitization, Category 1

Carcinogenicity, Category 1A

Specific Target Organ Toxicity – Single exposure, Category 1

Specific Target Organ Toxicity – Repeated exposure, Category 1

Germ cell mutagenicity, Category 2

### 2.2 GHS Label elements

**Signal Word** DANGER

**Pictogram**



**Hazard Statement(s):**

- Combustible liquid
- Toxic if swallowed
- Toxic in contact with skin
- Harmful if inhaled
- Causes severe skin burns and eye damage
- May cause an allergic skin reaction
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- May cause cancer
- Causes damage to organs
- Causes damage to organs through prolonged or repeated exposure
- Suspected of causing genetic defects

**Precautionary Statement(s):**

**Prevention:**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces – No smoking.
- Avoid breathing dust/fume/gas/mist/vapours/spray.

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- In case of inadequate ventilation wear respiratory protection.
- Wash skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.

## Response:

- In case of fire use carbon dioxide, dry chemical or alcohol-resistant foam.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash contaminated clothing before reuse.
- If skin irritation or a rash occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- Specific treatment: see first aid measures in section 4.
- Immediately call a POISON CENTER or doctor/physician.

## Storage:

- Store in a well ventilated place. Keep cool.
- Keep container tightly closed.
- Store locked up.

## Disposal:

- Dispose of contents/ container to an approved waste disposal plant.

**2.3 Description of any hazards not otherwise classified** None

**2.4 >1% of mixture with unknown acute toxicity** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

#### Hazardous Components

Component		Concentration
Name	Formaldehyde	
CAS-No.	50-00-0	8-10%
Name	Methyl Alcohol	
CAS-No.	67-56-1	Trace
Name	Picric Acid	
CAS-No.	88-89-0	<1%
Name	Glacial Acetic Acid	
CAS-No.	64-19-7	5%

## 4. FIRST-AID MEASURES

### 4.1 Description of necessary measures

#### Inhalation (breathing)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

#### Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.

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**Eye Contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Ingestion (swallowed)**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**4.2 Most important symptoms and or effects, acute and delayed**

The most important symptoms/effects are presented in Section 2 and or Section 11.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

**5. FIRE-FIGHTING MEASURES**
**5.1 Suitable extinguishing media**

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

**5.2 Specific hazards arising from the substance or mixture**

No data available

**5.3 Protective equipment and precautions for fire-fighters**

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

**NFPA Rating**

Health	Fire	Reactivity
hazard: 2	hazard: 1	hazard: 0

**6. ACCIDENTAL RELEASE MEASURES**
**6.1 Personal precautions, protective equipment and emergency procedures**

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use. In case of large spill, remove personnel to a safe area. Keep product away from heat, flame, ignition sources, and reactive materials. Avoid accumulation of vapor to form explosive concentration. Pay particular attention to low areas where vapor accumulates more easily.

**6.2 Methods and material for containment and cleaning up**

Apply personal protective equipment (see Section 8). Ensure proper ventilation. Contain spill. Prevent further leakage if possible and safe to do so. Evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations. Eliminate sources of ignition.

**7. HANDLING AND STORAGE**
**7.1 Precautions for safe handling**

Keep away from heat/sparks/open flames/hot surfaces – No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

**7.2 Conditions for safe storage, including any incompatibilities**

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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## 8.1 Control Parameters

Components with limit values that require monitoring at the workplace

Component	CAS-No.	Regulatory	Value	Parameters
Formaldehyde	50-00-0	OSHA PEL	TWA	0.75 ppm
		OSHA PEL	STEL	2 ppm
		ACGIH TLV	C	0.3 ppm (0.37 mg/m <sup>3</sup> )
		NIOSH REL	TWA	0.016 ppm
		NIOSH REL	C	0.1 ppm 15-minute

Component	CAS-No.	Regulatory	Value	Parameters
Methyl Alcohol	67-56-1	OSHA PEL	TWA	200 ppm (260 mg/m <sup>3</sup> )
		ACGIH TLV	TWA	200 ppm (262 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	50 ppm (328 mg/m <sup>3</sup> )
		NIOSH REL	TWA	200 ppm (260 mg/m <sup>3</sup> )
		NIOSH REL	STEL	250 ppm (325 mg/m <sup>3</sup> )

Component	CAS-No.	Regulatory	Value	Parameters
Glacial Acetic Acid	64-19-7	OSHA PEL	TWA	10 ppm (25 mg/m <sup>3</sup> )
		ACGIH TLV	TWA	10 ppm (25 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	15 ppm (37 mg/m <sup>3</sup> )
		NIOSH REL	TWA	10 ppm (25 mg/m <sup>3</sup> )
		NIOSH REL	STEL	15 ppm (37 mg/m <sup>3</sup> )

Component	CAS-No.	Regulatory	Value	Parameters
Picric Acid	88-89-1	OSHA PEL	TWA	0.1 mg/m <sup>3</sup> (skin)
		ACGIH TLV	TWA	0.1 mg/m <sup>3</sup> (skin)
		NIOSH REL	TWA	0.1 mg/m <sup>3</sup> (skin)
		NIOSH REL	STEL	0.3 mg/m <sup>3</sup> (skin)

## 8.2 Exposure Controls

### Appropriate engineering controls

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises. Use product in an appropriately designated fume hood. Take measures to keep concentrations below acceptable limits.

## 8.3 Personal Protective Equipment

### Eye/Face protection

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

### Skin Protection

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

### Body Protection

No data available

### Respiratory Protection



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Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Formaldehyde: Where the potential exists for exposure over 0.016 ppm: use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.

Exposure to 20 ppm is immediately dangerous to life and health. If the possibility of exposure above 20 ppm exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder. In case of emergency, entry into unknown concentrations, or escape, wear a self-contained positive-pressure breathing apparatus.

## Other Information

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Clear, yellow solution
Odor	Scent of formaldehyde and acetic acid
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	Completely water soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable in a closed container within label-specified storage temperature and expiration date.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Heat, sparks, open flame, and ignition sources.

### 10.5 Incompatible materials

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Formaldehyde reacts violently with nitrogen oxides; oxidizing agents (such as perchlorates, peroxides, permanganates, chlorates, nitrates, chlorine, bromine and fluorine); mixtures of perchloric acid and aniline; nitromethane; magnesium carbonate; and hydrogen peroxide. Formaldehyde reacts with phenol and hydrogen chloride to form toxic bis(chloromethyl) ether. Formaldehyde is not compatible with strong acids (such as hydrochloric, sulfuric and nitric); strong bases (such as sodium hydroxide and potassium hydroxide); iodine; iron; silver; isocyanates; amines; anhydrides; and liquid oxygen.

#### 10.6 Hazardous decomposition products

No data available

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### Inhalation exposure

Inhalation of formaldehyde and acetic acid vapors can cause breathing difficulty and irritation of the lungs.

##### Oral exposure

Acute oral exposure to formaldehyde can result in serious systemic symptoms or death.

##### Dermal exposure

No data available

##### Skin corrosion/irritation

Formaldehyde and glacial acetic acid are corrosive and contact can severely irritate and burn the skin.

##### Serious eye damage/irritation

Formaldehyde: 10 to 20 ppm produces almost immediate eye irritation. Most subjects experience irritation of the eyes at 1 to 3 ppm; many subjects cannot tolerate prolonged exposures to 4 to 5 ppm. Glacial Acetic Acid: It has been reported that 50 ppm or more is intolerable to most persons due to intense lacrimation and irritation of the eyes, nose, and throat.

##### Respiratory or skin sensitization

It has been estimated that exposure for 5 to 10 minutes to 50 to 100 ppm might cause serious injury to the lower respiratory passages. Formaldehyde may cause a skin allergy and an asthma-like allergy. Formaldehyde may cause an asthma-like allergy. Future exposure can cause asthma attacks with shortness of breath, wheezing, coughing, and/or chest tightness.

##### Germ Cell mutagenicity

No data available

##### Reproductive toxicity

No data available

##### Specific target organ toxicity - single exposure

No data available

##### Specific target organ toxicity - repeated exposure

No data available

##### Aspiration hazard

No data available

##### Acute toxicity

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Formaldehyde:

LD50 rat oral 100 mg/kg

LD50 rat dermal 270 mg/kg

LC50 rat inhalation 0.48 mg/l/4 hours

Picric Acid:

LD50 rat 200 mg/kg

Glacial Acetic Acid:

LD50 rat oral 3310 mg/kg

LD50 rabbit skin 1060uL/kg

LD50 mouse intravenous 525mg/kg

LC50 mouse inhalation 5620ppm/1H

## Carcinogenicity

IARC: Formaldehyde: Group 1, carcinogenic to humans

NTP: Formaldehyde: Known human carcinogen

OSHA: Formaldehyde: Specifically regulated carcinogen

## Additional information

RTECS: No data available

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste disposal methods

#### Contents

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

#### Contaminated packaging

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

## 14. TRANSPORT INFORMATION

### 14.1 DOT (US)

**UN-Number** No data available

**Proper shipping name** No data available

**Hazard class** No data available

**Packing group** No data available

**Environmental hazards** No data available

## 15. REGULATORY INFORMATION

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**15.1** No data available

#### 16. OTHER INFORMATION

Preparation Information

Newcomer Supply Inc.

800-383-7799

[www.newcomersupply.com](http://www.newcomersupply.com)

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Part Number: 9180

## 1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product Name:** Trichrome, Masson, Fast Green Stain Kit, Sol'n B: Ferric Chloride, Acidified  
**Part Number:** 9180  
**CAS-No.:** Not applicable  
**SDS Number:** 2860
- 1.2 Recommended Use:** Laboratory Chemicals
- 1.3 Company:** NEWCOMER SUPPLY  
 1020 PRAIRIE VIEW CT  
 WAUNAKEE WI 53597-8512
- Telephone:** 1-800-383-7799  
**Fax:** 1-608-831-0866  
**Website:** [www.newcomersupply.com](http://www.newcomersupply.com)  
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 an emergency involving a chemical spill,  
 leak, fire, exposure or other accident.

## 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS Classification, (in accordance with 29 CFR1910.1200)

Corrosive to metals, Category 1

Skin corrosion, Category 1B

Serious eye damage, Category 1

Specific Target Organ Toxicity – Respiratory System - Single exposure, Category 3

Acute toxicity (oral), Category 4

### 2.2 GHS Label elements

**Signal Word** DANGER

**Pictogram**



**Hazard Statement(s):**

- May be corrosive to metals
- Causes severe skin burns and eye damage
- May cause respiratory irritation
- May cause drowsiness or dizziness
- Harmful if swallowed

**Precautionary Statement(s):**

**Prevention:**

- Keep only in original container.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wash skin thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use only outdoors or in a well-ventilated area.
- Do not eat, drink or smoke when using this product.

**Response:**

- Absorb spillage to prevent material damage.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash contaminated clothing before reuse.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- Specific treatment: see first aid measures in section 4.

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- Immediately call a POISON CENTER or doctor/physician.

**Storage:**

- Store in a corrosive resistant container/container with a resistant inner liner.
- Store in a well ventilated place. Keep container tightly closed.
- Store locked up.

**Disposal:**

- Dispose of contents/ container to an approved waste disposal plant.

**2.3 Description of any hazards not otherwise classified** None

**2.4 >1% of mixture with unknown acute toxicity** None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixture

**Hazardous Components**

Component		Concentration
Name	Hydrochloric Acid	
CAS-No.	7647-01-0	<1%
Name	Ferric Chloride	
CAS-No.	7705-08-0	1-2%

### 4. FIRST-AID MEASURES

#### 4.1 Description of necessary measures

**Inhalation (breathing)**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician

**Skin Contact**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician

**Eye Contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTER or doctor/physician

**Ingestion (swallowed)**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician

#### 4.2 Most important symptoms and or effects, acute and delayed

The most important symptoms/effects are presented in Section 2 and or Section 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Suitable extinguishing media

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

#### 5.2 Specific hazards arising from the substance or mixture

No data available

#### 5.3 Protective equipment and precautions for fire-fighters

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

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## NFPA Rating

Health

Fire

Reactivity

hazard:

1 hazard:

0 hazard:

0

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use. In case of large spill, remove personnel to a safe area.

### 6.2 Methods and material for containment and cleaning up

Apply personal protective equipment (see Section 8). Contain spill. Prevent further leakage if possible and safe to do so. Ensure proper ventilation. For small amounts, wipe or absorb spill using inert material and dispose of according to local regulations. For large amounts, evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters

Components with limit values that require monitoring at the workplace

Component	CAS-No.	Regulatory	Value	Parameters
Hydrochloric Acid	7647-01-0	OSHA PEL	C	5 ppm (7 mg/m <sup>3</sup> )
		NIOSH REL	C	5 ppm (7 mg/m <sup>3</sup> )
		NIOSH REL	IDLH	50 ppm (75 mg/m <sup>3</sup> )
		ACGIH TLV	C	2 ppm

Component	CAS-No.	Regulatory	Value	Parameters
Ferric Chloride	7705-08-0	NIOSH REL	TWA	1 mg/m <sup>3</sup>
		ACGIH TLV	TWA	1 mg/m <sup>3</sup>

### 8.2 Exposure Controls

#### Appropriate engineering controls

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises. Use product in an appropriately designated fume hood. Take measures to keep concentrations below acceptable limits.

### 8.3 Personal Protective Equipment

#### Eye/Face protection

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

#### Skin Protection

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

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## Body Protection

No data available

## Respiratory Protection

Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

In case of emergency, entry into or escape from unknown concentrations, select the highest level approved respiratory protection available.

## Other Information

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Colorless to pale yellow liquid
Odor	Faint pungent odor
Odor threshold	No data available
pH	No data available
Melting point/freezing point	ca. 0°C (ca. 32°F)
Initial boiling point and boiling range	ca. 100°C (ca. 32°F)
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Non flammable liquid
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	Similar to water
Solubility(ies)	Water soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable in a closed container within label-specified storage temperature and expiration date.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong bases and metals

### 10.6 Hazardous decomposition products

No data available

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects



Part Number: 9180

**Inhalation exposure**

Hydrochloric acid: It has been reported that 50 to 100 ppm for 1 hour is barely tolerable and that 35 ppm causes irritation of the throat. Acute inhalation exposure may cause coughing, hoarseness, inflammation and ulceration of the respiratory tract, chest pain, and pulmonary edema in humans.

**Oral exposure**

Hydrochloric acid: Acute oral exposure may cause corrosion of the mucous membranes, esophagus, and stomach, with nausea, vomiting, and diarrhea reported in humans.

**Dermal exposure**

Hydrochloric acid: Dermal contact may produce severe burns, ulceration, and scarring.

**Skin corrosion/irritation**

Hydrochloric acid is corrosive to the eyes, skin, and mucous membranes. Ferric chloride can severely burn and irritate the skin.

**Serious eye damage/irritation**

Hydrochloric acid is corrosive to the eyes, skin, and mucous membranes. Ferric chloride can severely burn and irritate the skin.

**Respiratory or skin sensitization**

No data available

**Germ Cell mutagenicity**

No data available

**Reproductive toxicity**

In rats exposed to hydrochloric acid by inhalation, severe dyspnea, cyanosis, and altered estrus cycles have been reported in dams, and increased fetal mortality and decreased fetal weight have been reported in the offspring.

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

Hydrochloric acid: Chronic occupational exposure to hydrochloric acid has been reported to cause gastritis, chronic bronchitis, dermatitis, and photosensitization in workers. Prolonged exposure to low concentrations may also cause dental discoloration and erosion. Chronic inhalation exposure caused hyperplasia of the nasal mucosa, larynx, and trachea and lesions in the nasal cavity in rats.

**Aspiration hazard**

No data available

**Acute toxicity**

Hydrochloric Acid:

LCLo human 1300 ppm/30 minutes

LC50 rat 3124 ppm/1 hour

LC50 mouse 1108 ppm/1 hour

Ferric Chloride:

LD50 rat 316 mg/kg

**Carcinogenicity**

IARC: Hydrochloric Acid: Group 3 Carcinogen - not classifiable as to its carcinogenicity to humans.

NTP: None of the components are listed

OSHA: None of the components are listed

**Additional information**

Part Number: 9180

RTECS: No data available

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste disposal methods

#### Contents

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

#### Contaminated packaging

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

## 14. TRANSPORT INFORMATION

### 14.1 DOT (US)

<b>UN-Number</b>	UN1170
<b>Proper shipping name</b>	Ethanol solutions
<b>Hazard class</b>	3
<b>Packing group</b>	II
<b>Environmental hazards</b>	No data available

## 15. REGULATORY INFORMATION

### 15.1 No data available

## 16. OTHER INFORMATION

Preparation Information

Newcomer Supply Inc.

800-383-7799

[www.newcomersupply.com](http://www.newcomersupply.com)

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Part Number: 9180

## 1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product Name:** Trichrome, Masson, Fast Green Stain Kit, Sol'n C: Hematoxylin 1%, Alcoholic  
**Part Number:** 9180  
**CAS-No.:** Not applicable  
**SDS Number:** 3130
- 1.2 Recommended Use:** Laboratory Chemicals
- 1.3 Company:** NEWCOMER SUPPLY  
1020 PRAIRIE VIEW CT  
WAUNAKEE WI 53597-8512
- Telephone:** 1-800-383-7799  
**Fax:** 1-608-831-0866  
**Website:** [www.newcomersupply.com](http://www.newcomersupply.com)  
**Email:** [info@newcomersupply.com](mailto:info@newcomersupply.com)

24 HOUR EMERGENCY CONTACT  
CALL CHEMTREC: 1-800-424-9300  
Contact CHEMTREC only in the event of an emergency involving a chemical spill, leak, fire, exposure or other accident.

## 2. HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
**GHS Classification,** (in accordance with 29 CFR1910.1200)  
Flammable liquid, Category 2  
Acute toxicity (oral), Category 4  
Acute toxicity (dermal), Category 4  
Acute toxicity (inhalation), Category 4  
Serious Eye Damage/Eye irritation, Category 2A  
Skin irritation, Category 2  
Specific Target Organ Toxicity – Single exposure, Category 2

### 2.2 GHS Label elements

**Signal Word** DANGER

**Pictogram**



**Hazard Statement(s):**

- Highly flammable liquid and vapour
- Harmful if swallowed
- Harmful in contact with skin
- Harmful if inhaled
- Causes eye irritation
- Causes skin irritation
- May cause damage to organs

**Precautionary Statement(s):**

**Prevention:**

- Keep away from heat/sparks/open flames/hot surfaces – No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof fume hood/electrical/ventilating/light equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Avoid breathing dust/fume/gas/mist/vapours/spray.

**Response:**

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- In case of fire use carbon dioxide, dry chemical or alcohol-resistant foam.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash contaminated clothing before reuse.
- If skin irritation occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- If eye irritation persists get medical advice/attention.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Rinse mouth.
- Specific treatment: see first aid measures in section 4.
- IF exposed or concerned: Get medical advice/attention.

#### Storage:

- Store in a well ventilated place. Keep cool.
- Store locked up.

#### Disposal:

- Dispose of contents/ container to an approved waste disposal plant.

**2.3 Description of any hazards not otherwise classified** None

**2.4 >1% of mixture with unknown acute toxicity** None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

##### Hazardous Components

Component		Concentration
Name	Ethyl Alcohol	
CAS-No.	64-17-5	84-85%
Name	Methyl Alcohol	
CAS-No.	67-56-1	4-5%
Name	Isopropyl Alcohol	
CAS-No.	67-63-0	4-5%
Name	Hematoxylin	
CAS-No.	517-28-2	1%

### 4. FIRST-AID MEASURES

#### 4.1 Description of necessary measures

##### Inhalation (breathing)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

##### Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

##### Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.

##### Ingestion (swallowed)

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

#### 4.2 Most important symptoms and or effects, acute and delayed

Part Number: 9180

The most important symptoms/effects are presented in Section 2 and or Section 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Suitable extinguishing media

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

#### 5.2 Specific hazards arising from the substance or mixture

No data available

#### 5.3 Protective equipment and precautions for fire-fighters

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

#### NFPA Rating

Health	Fire	Reactivity
hazard: 2	hazard: 3	hazard: 0

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use. In case of large spill, remove personnel to a safe area. Keep product away from heat, flame, ignition sources, and reactive materials. Avoid accumulation of vapor to form explosive concentration. Pay particular attention to low areas where vapor accumulates more easily.

#### 6.2 Methods and material for containment and cleaning up

Apply personal protective equipment (see Section 8). Contain spill. Prevent further leakage if possible and safe to do so. Ensure proper ventilation. For small amounts, wipe or absorb spill using inert material and dispose of according to local regulations. For large amounts, evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations. Eliminate sources of ignition.

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces – No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

#### 7.2 Conditions for safe storage, including any incompatibilities

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control Parameters

Components with limit values that require monitoring at the workplace

Component	CAS-No.	Regulatory	Value	Parameters
Ethyl Alcohol	64-17-5	OSHA PEL	TWA	1000 ppm (1900 mg/m <sup>3</sup> )
		ACGIH TLV	TWA	1000 ppm (1880 mg/m <sup>3</sup> )
		NIOSH REL	TWA	1000 ppm (1900 mg/m <sup>3</sup> )

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Component	CAS-No.	Regulatory	Value	Parameters
Methyl Alcohol	67-56-1	OSHA PEL	TWA	200 ppm (980 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	200 ppm (1,230 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	50 ppm (1,230 mg/m <sup>3</sup> )
		NIOSH REL	TWA	200 ppm (980 mg/m <sup>3</sup> )
		NIOSH REL	STEL	250 ppm (980 mg/m <sup>3</sup> )

Component	CAS-No.	Regulatory	Value	Parameters
Isopropyl Alcohol	67-63-0	OSHA PEL	TWA	400 ppm (980 mg/m <sup>3</sup> )
		ACGIH TLV	TWA	400 ppm (983 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	500 ppm (1,230 mg/m <sup>3</sup> )
		NIOSH REL	TWA	400 ppm (980 mg/m <sup>3</sup> )
		NIOSH REL	STEL	500 ppm (980 mg/m <sup>3</sup> )

## 8.2 Exposure Controls

### Appropriate engineering controls

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises. Use product in an appropriately designated fume hood. Take measures to keep concentrations below acceptable limits.

## 8.3 Personal Protective Equipment

### Eye/Face protection

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

### Skin Protection

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

### Body Protection

No data available

### Respiratory Protection

Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Ethyl Alcohol: Where the potential exists for exposure over 1,000 ppm: use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.

Exposure to 3,300 ppm is immediately dangerous to life and health. If the possibility of exposure above 3,300 ppm exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

In case of emergency, entry into or escape from unknown concentrations select the highest level approved respiratory protection available.

### Other Information

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Part Number: 9180

## 9.1 Information on basic physical and chemical properties

Physical state	Brown tinted liquid
Odor	Alcoholic odor
Odor threshold	No data available
pH	No data available
Melting point/freezing point	ca. -114°C (-173.2°F)
Initial boiling point and boiling range	ca. 78°C (172-176°F)
Flash point	13°C (55.4°F) Closed cup (Ethyl Alcohol)
Evaporation rate	1.7 (Ethyl Alcohol)
Flammability (solid, gas)	Liquid is flammable
Upper flammability or explosive limits	19% (Ethyl Alcohol)
Lower flammability or explosive limits	3.3% (Ethyl Alcohol)
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	Water soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable in a closed container within label-specified storage temperature and expiration date.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Heat, sparks, open flame, and ignition sources.

### 10.5 Incompatible materials

Strong oxidizers, potassium dioxide, bromine pentafluoride, acetyl bromide, acetyl chloride, platinum, sodium concentrated sulfuric acid, potassium and hydrogen peroxides, platinum black, calcium hypochlorite, silver oxide, ammonia, nitric acid, mercuric nitrate, silver nitrate, magnesium perchlorate, isocyanates, mineral acids, and chloroform.

### 10.6 Hazardous decomposition products

Carbon dioxide and carbon monoxide may be released if product is heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Inhalation exposure

Inhaling ethyl alcohol, methyl alcohol, and isopropyl alcohol can irritate the nose, throat and lungs causing coughing and/or shortness of breath.

#### Oral exposure

Oral exposure to ethyl alcohol, methyl alcohol, and isopropyl alcohol can cause headache, drowsiness, nausea and vomiting, and unconsciousness. It can also affect concentration and vision.

#### Dermal exposure

Contact with ethyl alcohol can irritate the skin.

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## **Skin corrosion/irritation**

Prolonged or repeated exposure to ethyl alcohol can cause drying and cracking of the skin with peeling, redness and itching.

## **Serious eye damage/irritation**

Contact with ethyl alcohol can irritate the eyes.

## **Respiratory or skin sensitization**

Inhaling ethyl alcohol, methyl alcohol, and isopropyl alcohol can irritate the nose, throat and lungs causing coughing and/or shortness of breath.

## **Germ cell mutagenicity**

No data available

## **Reproductive toxicity**

Repeated oral exposure to ethyl alcohol may cause spontaneous abortions, as well as birth defects and other developmental problems. This condition is referred to as "fetal alcohol syndrome." There is limited evidence that oral exposure to ethyl alcohol may decrease fertility in males.

## **Specific target organ toxicity - single exposure**

Exposure to ethyl alcohol may affect the liver and the nervous system.

## **Specific target organ toxicity - repeated exposure**

No data available

## **Aspiration hazard**

No data available

## **Acute toxicity**

Ethyl Alcohol:

LD50 rat oral 3450 mg/kg

LD50 mouse oral 7060 mg/kg

LC50 rat inhalation 20000 ppm/10H

LC50 mouse inhalation 20363 ppm/4H

Hematoxylin:

LD50 rat oral 400 mg/kg

## **Carcinogenicity**

IARC: None of the components are listed

NTP: None of the components are listed

OSHA: None of the components are listed

## **Additional information**

RTECS: No data available

## **12. ECOLOGICAL INFORMATION**

### **12.1 Ecotoxicity**

No data available

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

### **12.5 Other adverse effects**



Part Number: 9180

No data available

**13. DISPOSAL CONSIDERATIONS****13.1 Waste disposal methods****Contents**

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

**14. TRANSPORT INFORMATION****14.1 DOT (US)**

<b>UN-Number</b>	UN1170
<b>Proper shipping name</b>	Ethanol solutions
<b>Hazard class</b>	3
<b>Packing group</b>	II
<b>Environmental hazards</b>	No data available

**15. REGULATORY INFORMATION****15.1** No data available**16. OTHER INFORMATION**

Preparation Information  
Newcomer Supply Inc.  
800-383-7799  
[www.newcomersupply.com](http://www.newcomersupply.com)  
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Part Number: 9180

## 1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product Name:** Trichrome, Masson, Fast Green Stain Kit, Sol'n D: Biebrich Scarlet-Acid Fuchsin Stain, Aqueous
- Part Number:** 9180
- CAS-No.:** Not applicable
- SDS Number:** 2440
- 1.2 Recommended Use:** Laboratory Chemicals
- 1.3 Company:** NEWCOMER SUPPLY  
1020 PRAIRIE VIEW CT  
WAUNAKEE WI 53597-8512
- Telephone:** 1-800-383-7799
- Fax:** 1-608-831-0866
- Website:** [www.newcomersupply.com](http://www.newcomersupply.com)
- Email:** [info@newcomersupply.com](mailto:info@newcomersupply.com)
- 24 HOUR EMERGENCY CONTACT**  
CALL CHEMTREC: 1-800-424-9300  
Contact CHEMTREC only in the event of an emergency involving a chemical spill, leak, fire, exposure or other accident.

## 2. HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
**GHS Classification,** (in accordance with 29 CFR1910.1200)  
Skin irritation, Category 2  
Serious Eye Damage/Eye irritation, Category 2
- 2.2 GHS Label elements**
- Signal Word** WARNING
- Pictogram** 
- Hazard Statement(s):**
- Causes serious eye irritation
  - Causes skin irritation
- Precautionary Statement(s):**
- Prevention:**
- Wear protective gloves/protective clothing/eye protection/face protection.
  - Wash skin thoroughly after handling.
- Response:**
- IF ON SKIN: Gently wash with soap and water.
  - Take off contaminated clothing and wash before reuse.
  - If skin irritation occurs: Get medical advice/attention.
  - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
  - If eye irritation persists get medical advice/attention.
  - Specific treatment: see first aid measures in section 4.
- 2.3 Description of any hazards not otherwise classified** None
- 2.4 >1% of mixture with unknown acute toxicity** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture Hazardous Components

Component		Concentration
Name	Acetone-Alcohol 1:1	
CAS-No.	Not applicable	1%

## 4. FIRST-AID MEASURES

Part Number: 9180

## 4.1 Description of necessary measures

### Inhalation (breathing)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

### Skin Contact

IF ON SKIN: Gently wash with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

### Eye Contact

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

### Ingestion (swallowed)

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel

## 4.2 Most important symptoms and or effects, acute and delayed

The most important symptoms/effects are presented in Section 2 and or Section 11.

## 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## 5. FIRE-FIGHTING MEASURES

### 5.1 Suitable extinguishing media

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

### 5.2 Specific hazards arising from the substance or mixture

No data available

### 5.3 Protective equipment and precautions for fire-fighters

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

### NFPA Rating

Health	Fire	Reactivity
hazard: 0	hazard: 0	hazard: 0

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use.

### 6.2 Methods and material for containment and cleaning up

Apply personal protective equipment (see Section 8). Contain spill. Prevent further leakage if possible and safe to do so. Ensure proper ventilation. For small amounts, wipe or absorb spill using inert material and dispose of according to local regulations. For large amounts, evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

Part Number: 9180

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters

Components with limit values that require monitoring at the workplace

Component	CAS-No.	Regulatory	Value	Parameters
Glacial Acetic Acid	64-19-7	OSHA PEL	TWA	10 ppm (25 mg/m <sup>3</sup> )
		ACGIH TLV	TWA	10 ppm (25 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	15 ppm (37 mg/m <sup>3</sup> )
		NIOSH REL	TWA	10 ppm (25 mg/m <sup>3</sup> )
		NIOSH REL	STEL	15 ppm (37 mg/m <sup>3</sup> )

### 8.2 Exposure Controls

#### Appropriate engineering controls

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises. Take measures to keep concentrations below acceptable limits.

### 8.3 Personal Protective Equipment

#### Eye/Face protection

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

#### Skin Protection

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

#### Body Protection

No data available

#### Respiratory Protection

Respirators should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Where the potential exists for exposure over 10 ppm: use a NIOSH approved full facepiece respirator with an organic vapor cartridge. Increased protection is obtained from full facepiece powered-air purifying respirators. If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect acetic acid, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.

Where the potential exists for exposure over 100 ppm, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

In case of emergency, entry into or escape from unknown concentrations, select the highest level approved respiratory protection available.

#### Other Information

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Opaque reddish-pink liquid; no precipitate
Odor	Mild vinegar odor
Odor threshold	No data available

Part Number: 9180

pH	No data available
Melting point/freezing point	ca. 0°C (ca. 32°F)
Initial boiling point and boiling range	ca. 100°C (ca. 32°F)
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	Similar to water
Solubility(ies)	Water soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable in a closed container within label-specified storage temperature and expiration date.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents (especially chromic acid, sodium peroxide and nitric acid), strong reducing agents, metals, strong acids, and strong bases.

### 10.6 Hazardous decomposition products

Carbon dioxide and carbon monoxide may be released if product is heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Inhalation exposure

Human data (Glacial Acetic Acid): Marked irritation of the nose, and upper respiratory tract which could not be tolerated for more than 3 minutes was noted at 816 to 1,226 ppm.

#### Oral exposure

No data available

#### Dermal exposure

No data available

#### Skin corrosion/irritation

Contact with glacial acetic acid can severely irritate and burn the skin.

#### Serious eye damage/irritation

Contact with glacial acetic acid can severely irritate and burn the eyes, leading to eye damage.

#### Respiratory or skin sensitization

It has been stated that repeated exposures to high concentrations of glacial acetic acid may produce respiratory tract irritation with pharyngeal edema and chronic bronchitis.

Part Number: 9180

**Germ cell mutagenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Acute toxicity**

Glacial Acetic Acid:

LD50 rat oral 3310 mg/kg

LD50 rabbit skin 1060uL/kg

LD50 mouse intravenous 525mg/kg

LC50 mouse inhalation 5620ppm/1H

**Carcinogenicity**

IARC: None of the components are listed

NTP: None of the components are listed

OSHA: None of the components are listed

**Additional information**

RTECS: No data available

## 12. ECOLOGICAL INFORMATION

**12.1 Ecotoxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Other adverse effects**

No data available

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste disposal methods**

**Contents**

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

## 14. TRANSPORT INFORMATION

**14.1 DOT (US)**

**UN-Number**

No data available

Part Number: 9180

<b>Proper shipping name</b>	No data available
<b>Hazard class</b>	No data available
<b>Packing group</b>	No data available
<b>Environmental hazards</b>	No data available

**15. REGULATORY INFORMATION****15.1** No data available**16. OTHER INFORMATION**

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800-383-7799  
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Part Number: 9180

## 1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product Name:** Trichrome, Masson, Fast Green Stain Kit, Sol'n E: Phosphotungstic Acid 5%, Aqueous
- Part Number:** 9180
- CAS-No.:** Not applicable
- SDS Number:** 3960
- 1.2 Recommended Use:** Laboratory Chemicals
- 1.3 Company:** NEWCOMER SUPPLY  
1020 PRAIRIE VIEW CT  
WAUNAKEE WI 53597-8512
- Telephone:** 1-800-383-7799
- Fax:** 1-608-831-0866
- Website:** [www.newcomersupply.com](http://www.newcomersupply.com)
- Email:** [info@newcomersupply.com](mailto:info@newcomersupply.com)

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CALL CHEMTREC: 1-800-424-9300  
Contact CHEMTREC only in the event of an emergency involving a chemical spill, leak, fire, exposure or other accident.

## 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS Classification, (in accordance with 29 CFR1910.1200)

Skin corrosion, Category 1A

Serious eye damage, Category 1

### 2.2 GHS Label elements

**Signal Word** DANGER

**Pictogram**



**Hazard Statement(s):**

- Causes severe skin burns and eye damage

**Precautionary Statement(s):**

**Prevention:**

- Wear protective gloves/protective clothing/eye protection/face protection.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wash skin thoroughly after handling.

**Response:**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash contaminated clothing before reuse.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- Specific treatment: see first aid measures in section 4.
- Immediately call a POISON CENTER or doctor/physician.

**Storage:**

- Store locked up.

**Disposal:**

- Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Description of any hazards not otherwise classified

None

### 2.4 >1% of mixture with unknown acute toxicity

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Part Number: 9180

## 3.2 Mixture Hazardous Components

Component		Concentration
Name	Phosphotungstic acid	
CAS-No.	12501-23-4	5%

## 4. FIRST-AID MEASURES

### 4.1 Description of necessary measures

#### Inhalation (breathing)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

#### Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.

#### Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTER or doctor/physician.

#### Ingestion (swallowed)

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

### 4.2 Most important symptoms and or effects, acute and delayed

The most important symptoms/effects are presented in Section 2 and or Section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## 5. FIRE-FIGHTING MEASURES

### 5.1 Suitable extinguishing media

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

### 5.2 Specific hazards arising from the substance or mixture

No data available

### 5.3 Protective equipment and precautions for fire-fighters

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

#### NFPA Rating

Health	Fire	Reactivity
hazard: 1	hazard: 0	hazard: 0

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use. In case of large spill, remove personnel to a safe area.

### 6.2 Methods and material for containment and cleaning up

Part Number: 9180

Apply personal protective equipment (see Section 8). Contain spill. Prevent further leakage if possible and safe to do so. Ensure proper ventilation. For small amounts, wipe or absorb spill using inert material and dispose of according to local regulations. For large amounts, evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters

Components with limit values that require monitoring at the workplace

Component	CAS-No.	Regulatory	Value	Parameters
Phosphotungstic Acid	12501-23-4	ACGIH	TWA	5 mg/m <sup>3</sup> (as a tungsten soluble compound)
		ACGIH	STEL	0.10 mg/m <sup>3</sup> (as a tungsten soluble compound)

### 8.2 Exposure Controls

#### Appropriate engineering controls

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises. Use product in an appropriately designated fume hood. Take measures to keep concentrations below acceptable limits.

### 8.3 Personal Protective Equipment

#### Eye/Face protection

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

#### Skin Protection

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

#### Body Protection

No data available

#### Respiratory Protection

No data available

#### Other Information

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Dark purple to brown liquid
Odor	Odorless
Odor threshold	No data available
pH	No data available
Melting point/freezing point	ca. 0°C (ca. 32°F)
Initial boiling point and boiling range	ca. 100°C (ca. 32°F)

Part Number: 9180

Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	~1
Solubility(ies)	Water soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable in a closed container within label-specified storage temperature and expiration date.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong bases, strong oxidizing agents, strong reducing agents, metals, and organic materials.

### 10.6 Hazardous decomposition products

Toxic phosphorous oxides may form if heated to dryness.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Inhalation exposure

No data available

#### Oral exposure

No data available

#### Dermal exposure

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/irritation

No data available

#### Respiratory or skin sensitization

No data available

#### Germ Cell mutagenicity

No data available

#### Reproductive toxicity

No data available

Part Number: 9180

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Acute toxicity**

No data available

**Carcinogenicity**

IARC: None of the components are listed

NTP: None of the components are listed

OSHA: None of the components are listed

**Additional information**

RTECS: No data available

## 12. ECOLOGICAL INFORMATION

**12.1 Ecotoxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Other adverse effects**

No data available

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste disposal methods**

**Contents**

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

## 14. TRANSPORT INFORMATION

**14.1 DOT (US)**

**UN-Number** No data available

**Proper shipping name** No data available

**Hazard class** No data available

**Packing group** No data available

**Environmental hazards** No data available

## 15. REGULATORY INFORMATION

**15.1** No data available

## 16. OTHER INFORMATION



## SAFETY DATA SHEET (SDS)

Revision Date: 1/23/2025

Version 1.5

Part Number: 9180

Preparation Information

Newcomer Supply Inc.

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Part Number: 9180

## 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product Name:** Trichrome, Masson, Fast Green Stain Kit, Sol'n F: Fast Green Stain 2.5%, Aqueous

**Part Number:** 9180

**CAS-No.:** Not applicable

**SDS Number:** 2830

**1.2 Recommended Use:** Laboratory Chemicals

**1.3 Company:** NEWCOMER SUPPLY  
1020 PRAIRIE VIEW CT  
WAUNAKEE WI 53597-8512

**Telephone:** 1-800-383-7799

**Fax:** 1-608-831-0866

**Website:** [www.newcomersupply.com](http://www.newcomersupply.com)

**Email:** [info@newcomersupply.com](mailto:info@newcomersupply.com)

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Contact CHEMTREC only in the event of an emergency involving a chemical spill, leak, fire, exposure or other accident.

## 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the substance or mixture

**GHS Classification,** (in accordance with 29 CFR1910.1200)

Skin irritation, Category 2

Serious Eye Damage/Eye irritation, Category 2

Germ cell mutagenicity, Category 2

### 2.2 GHS Label elements

**Signal Word** WARNING

**Pictogram**



**Hazard Statement(s):**

- Causes skin irritation
- Causes serious eye irritation
- Suspected of causing genetic defects

**Precautionary Statement(s):**

**Prevention:**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash skin thoroughly after handling.

**Response:**

- IF ON SKIN: Gently wash with plenty of soap and water.
- Take off contaminated clothing and wash before reuse.
- If skin irritation occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- If eye irritation persists get medical advice/attention.
- Specific treatment: see first aid measures in section 4.
- IF exposed or concerned: Get medical advice/attention.

**Storage:**

- Store locked up.

**Disposal:**

- Dispose of contents/ container to an approved waste disposal plant.

**2.3 Description of any hazards not otherwise classified** None

Part Number: 9180

**2.4  $\geq 1\%$  of mixture with unknown acute toxicity**

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixture

##### Hazardous Components

Component		Concentration
Name	Fast Green	
CAS-No.	2353-45-9	2-3%
Name	Glacial Acetic Acid	
CAS-No.	64-19-7	2-3%

### 4. FIRST-AID MEASURES

#### 4.1 Description of necessary measures

##### Inhalation (breathing)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

##### Skin Contact

IF ON SKIN: Gently wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

##### Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.

##### Ingestion (swallowed)

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention.

#### 4.2 Most important symptoms and or effects, acute and delayed

The most important symptoms/effects are presented in Section 2 and or Section 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Suitable extinguishing media

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

#### 5.2 Specific hazards arising from the substance or mixture

No data available

#### 5.3 Protective equipment and precautions for fire-fighters

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

##### NFPA Rating

Health	Fire	Reactivity
hazard: 1	hazard: 0	hazard: 0

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use. In case of large spill, remove personnel to a safe area.



Part Number: 9180

## 6.2 Methods and material for containment and cleaning up

Apply personal protective equipment (see Section 8). Contain spill. Prevent further leakage if possible and safe to do so. Ensure proper ventilation. For small amounts, wipe or absorb spill using inert material and dispose of according to local regulations. For large amounts, evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters

Components with limit values that require monitoring at the workplace

Component	CAS-No.	Regulatory	Value	Parameters
Acetic Acid	64-19-7	OSHA PEL	TWA	10 ppm (25 mg/m <sup>3</sup> )
		ACGIH TLV	TWA	10 ppm (25 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	15 ppm (37 mg/m <sup>3</sup> )
		NIOSH REL	TWA	10 ppm (25 mg/m <sup>3</sup> )
		NIOSH REL	STEL	15 ppm (37 mg/m <sup>3</sup> )

### 8.2 Exposure Controls

#### Appropriate engineering controls

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises. Take measures to keep concentrations below acceptable limits.

### 8.3 Personal Protective Equipment

#### Eye/Face protection

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

#### Skin Protection

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

#### Body Protection

No data available

#### Respiratory Protection

No data available

#### Other Information

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Translucent, green liquid
Odor	Mild vinegar odor
Odor threshold	No data available
pH	No data available
Melting point/freezing point	ca. 0°C (ca. 32°F)

Part Number: 9180

Initial boiling point and boiling range	ca. 100°C (ca. 32°F)
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	Similar to water
Solubility(ies)	Water soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable in a closed container within label-specified storage temperature and expiration date.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

No data available

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Inhalation exposure

Human data: Marked irritation of the nose, and upper respiratory tract which could not be tolerated for more than 3 minutes was noted at 816 to 1,226 ppm.

#### Oral exposure

No data available

#### Dermal exposure

No data available

#### Skin corrosion/irritation

Contact with glacial acetic acid can severely irritate and burn the skin.

#### Serious eye damage/irritation

Contact with glacial acetic acid can severely irritate and burn the eyes, leading to eye damage.

#### Respiratory or skin sensitization

It has been stated that repeated exposures to high concentrations to glacial acetic acid may produce respiratory tract irritation with pharyngeal edema and chronic bronchitis.

#### Germ cell mutagenicity

Part Number: 9180

Fast green: Mutagenic effects have been reported in experimental animals as well as microorganisms.  
Salmonella typhimurium = 10 mg/plate. Mutagenic effects have been reported in humans.

## Reproductive toxicity

No data available

## Specific target organ toxicity - single exposure

No data available

## Specific target organ toxicity - repeated exposure

No data available

## Aspiration hazard

No data available

## Acute toxicity

Glacial Acetic Acid:

LD50 rat oral 3310 mg/kg

LD50 rabbit skin 1060uL/kg

LD50 mouse intravenous 525mg/kg

LC50 mouse inhalation 5620ppm/1H

## Carcinogenicity

IARC: None of the components are listed

NTP: None of the components are listed

OSHA: None of the components are listed

## Additional information

RTECS: No data available

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste disposal methods

#### Contents

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

#### Contaminated packaging

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

## 14. TRANSPORT INFORMATION

### 14.1 DOT (US)

Part Number: 9180

<b>UN-Number</b>	No data available
<b>Proper shipping name</b>	No data available
<b>Hazard class</b>	No data available
<b>Packing group</b>	No data available
<b>Environmental hazards</b>	No data available

**15. REGULATORY INFORMATION****15.1** No data available**16. OTHER INFORMATION**

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Part Number: 9180

## 1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product Name:** Trichrome, Masson, Fast Green Stain Kit, Sol'n G: Acetic Acid, 0.5% Aqueous Solution  
**Part Number:** 9180  
**CAS-No.:** Not applicable  
**SDS Number:** 2000
- 1.2 Recommended Use:** Laboratory Chemicals
- 1.3 Company:** NEWCOMER SUPPLY  
 1020 PRAIRIE VIEW CT  
 WAUNAKEE WI 53597-8512
- Telephone:** 1-800-383-7799  
**Fax:** 1-608-831-0866  
**Website:** [www.newcomersupply.com](http://www.newcomersupply.com)  
**Email:** [info@newcomersupply.com](mailto:info@newcomersupply.com)

24 HOUR EMERGENCY CONTACT  
 CALL CHEMTREC: 1-800-424-9300  
 Contact CHEMTREC only in the event of an emergency involving a chemical spill, leak, fire, exposure or other accident.

## 2. HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
**GHS Classification,** (in accordance with 29 CFR1910.1200)  
 None
- 2.2 GHS Label elements**  
**Signal Word** NONE
- Pictogram**
- Hazard Statement(s):**  
 · None
- Precautionary Statement(s):**  
 · None
- 2.3 Description of any hazards not otherwise classified** None
- 2.4 >1% of mixture with unknown acute toxicity** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.2 Mixture**  
**Hazardous Components**

Component		Concentration
Name	Acetic Acid, Glacial, ACS	
CAS-No.	64-19-7	0.5%

## 4. FIRST-AID MEASURES

- 4.1 Description of necessary measures**

### Inhalation (breathing)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

### Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell.

### Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.

Part Number: 9180

## Ingestion (swallowed)

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel

### 4.2 Most important symptoms and or effects, acute and delayed

The most important symptoms/effects are presented in Section 2 and or Section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## 5. FIRE-FIGHTING MEASURES

### 5.1 Suitable extinguishing media

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

### 5.2 Specific hazards arising from the substance or mixture

No data available

### 5.3 Protective equipment and precautions for fire-fighters

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

#### NFPA Rating

Health	Fire	Reactivity
hazard: 1	hazard: 0	hazard: 0

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use.

### 6.2 Methods and material for containment and cleaning up

Apply personal protective equipment (see Section 8). Contain spill. Prevent further leakage if possible and safe to do so. Ensure proper ventilation. For small amounts, wipe or absorb spill using inert material and dispose of according to local regulations. For large amounts, evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters

Components with limit values that require monitoring at the workplace

Component	CAS-No.	Regulatory	Value	Parameters
Acetic Acid	64-19-7	OSHA PEL	TWA	10 ppm (25 mg/m <sup>3</sup> )
		ACGIH TLV	TWA	10 ppm (25 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	15 ppm (37 mg/m <sup>3</sup> )
		NIOSH REL	TWA	10 ppm (25 mg/m <sup>3</sup> )
		NIOSH REL	STEL	15 ppm (37 mg/m <sup>3</sup> )

### 8.2 Exposure Controls

Part Number: 9180

## Appropriate engineering controls

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises.

## 8.3 Personal Protective Equipment

### Eye/Face protection

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

### Skin Protection

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

### Body Protection

No data available

### Respiratory Protection

No data available

### Other Information

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Colorless liquid
Odor	Mild vinegar odor
Odor threshold	No data available
pH	2.8 at 19°C (66°F)
Melting point/freezing point	ca. 0°C (ca. 32°F)
Initial boiling point and boiling range	ca. 100°C (ca. 32°F)
Flash point	No data available
Evaporation rate	Evap. rate of water = 1; 1
Flammability (solid, gas)	No data available
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapor pressure	18 mm Hg at 20°C
Vapor density	For water in air = 1; 1
Relative density	Similar to water
Solubility(ies)	Infinitely soluble with water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	1.222 (mPa)(s) at 20°C

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable in a closed container within label-specified storage temperature and expiration date.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

Part Number: 9180

## 10.5 Incompatible materials

Strong oxidizing agents (especially chromic acid, sodium peroxide and nitric acid), strong reducing agents, metals, strong acids, and strong bases.

## 10.6 Hazardous decomposition products

Carbon dioxide and carbon monoxide may be released if product is heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Inhalation exposure

No data available

#### Oral exposure

No data available

#### Dermal exposure

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/irritation

No data available

#### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

No data available

#### Reproductive toxicity

No data available

#### Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available

#### Acute toxicity

No data available

#### Carcinogenicity

IARC: None of the components are listed

NTP: None of the components are listed

OSHA: None of the components are listed

#### Additional information

RTECS: No data available

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

No data available

### 12.2 Persistence and degradability

No data available



Part Number: 9180

## 12.3 Bioaccumulative potential

No data available

## 12.4 Mobility in soil

No data available

## 12.5 Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste disposal methods

#### Contents

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

#### Contaminated packaging

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

## 14. TRANSPORT INFORMATION

### 14.1 DOT (US)

UN-Number	No data available
Proper shipping name	No data available
Hazard class	No data available
Packing group	No data available
Environmental hazards	No data available

## 15. REGULATORY INFORMATION

### 15.1 No data available

## 16. OTHER INFORMATION

Preparation Information

Newcomer Supply Inc.

800-383-7799

[www.newcomersupply.com](http://www.newcomersupply.com)

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