

## 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product Name:** Alcian Blue/PAS Stain Kit

**Part Number:** 91022

**CAS-No.:** Not applicable

**SDS Number:** 6030

**1.2 Recommended Use:** Laboratory Chemicals

**1.3 Company:** Newcomer Supply  
2505 Parview Road  
Middleton, WI 53562 USA

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

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

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

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

Corrosive to metals, Category 1

Oxidizing Liquid, Category 1

Skin corrosion, Category 1B

Serious eye damage, Category 1

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

Carcinogenicity, Category 1B

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
- Causes serious eye damage
- May cause respiratory irritation
- May cause drowsiness or dizziness
- May cause cancer
- Harmful if swallowed

**Precautionary Statement(s):**

**Prevention:**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Keep only in original container
- Do not breathe dust/fume/gas/mist/vapours/spray
- Avoid breathing 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.
- Rinse mouth
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

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- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse
- Wash contaminated clothing before reuse
- 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
- Call a POISON CENTER or doctor/physician if you feel unwell
- IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician
- Specific treatment: see first aid measures in section 4
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

**Storage:**

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

**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 MSDS

**4. FIRST-AID MEASURES**

See component MSDS

**5. FIRE-FIGHTING MEASURES**

See component MSDS

**6. ACCIDENTAL RELEASE MEASURES**

See component MSDS

**7. HANDLING AND STORAGE**

See component MSDS

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

See component MSDS

**9. PHYSICAL AND CHEMICAL PROPERTIES**

See component MSDS

**10. STABILITY AND REACTIVITY**

See component MSDS

**11. TOXICOLOGICAL INFORMATION**

See component MSDS

**12. ECOLOGICAL INFORMATION**

See component MSDS

**13. DISPOSAL CONSIDERATIONS**

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See component MSDS

**14. TRANSPORT INFORMATION****14.1 DOT (US)****UN-Number****Proper shipping name****Hazard class****Packing group****Environmental hazards**

No data available

**15. REGULATORY INFORMATION**

See component MSDS

**16. OTHER INFORMATION**

Preparation Information

Newcomer Supply Inc.

800-383-7799

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

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product Name:** Alcian Blue/PAS Stain Kit, Sol'n A: Acetic Acid 3%, Aqueous

**Part Number:** 91022

**CAS-No.:** Not applicable

**SDS Number:** 2020

**1.2 Recommended Use:** Laboratory Chemicals

**1.3 Company:** Newcomer Supply  
2505 Parview Road  
Middleton, WI 53562 USA

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

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

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

**Email:** [newly@newcomersupply.com](mailto:newly@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 irritation, Category 2

Serious eye damage, Category 1

### 2.2 GHS Label elements

**Signal Word** DANGER

#### Pictogram



#### Hazard Statement(s):

- Causes serious eye damage
- 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 (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- Take off contaminated clothing and wash before reuse
- 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

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

**2.4  $\geq 1\%$  of mixture with unknown acute toxicity** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

#### Hazardous Components

| Component |                     | Concentration |
|-----------|---------------------|---------------|
| Name      | Acetic Acid Glacial |               |
| CAS-No.   | 64-19-7             | 3%            |

## 4. FIRST-AID MEASURES

### 4.1 Description of necessary measures

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**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.

**Skin Contact**

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. 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. Call a POISON CENTER or doctor/physician.

**Ingestion (swallowed)**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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**

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. 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 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

Colorless liquid

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|   |                               |
|---|-------------------------------|
| Odor                                    | Slight vinegar 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)               | 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)                         | Infinitely soluble with water |
| 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 eyes, 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

Human data (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. It has also been stated that repeated exposures to high concentrations may produce respiratory tract irritation with pharyngeal edema and chronic bronchitis.



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**Serious eye damage/irritation**

Human data (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**

Glacial Acetic Acid: It has been stated that repeated exposures to high concentrations may produce respiratory tract irritation with pharyngeal edema and chronic bronchitis.

**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**

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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>             | xx                |
| <b>Proper shipping name</b>  | xx                |
| <b>Hazard class</b>          | xx                |
| <b>Packing group</b>         | xx                |
| <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: 1003

**1. PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product Name:** Alcian Blue/PAS Stain Kit, Sol'n B: Alcian Blue Stain 1%, pH 2.5 Aqueous  
**Part Number:** 91022  
**CAS-No.:** Not applicable  
**SDS Number:** 2160

**1.2 Recommended Use:** Laboratory Chemicals

**1.3 Company:** Newcomer Supply  
 2505 Parview Road  
 Middleton, WI 53562 USA

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

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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, Category 1

**2.2 GHS Label elements**

**Signal Word** DANGER

**Pictogram**



**Hazard Statement(s):**

- Causes serious eye damage
- 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 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.
- Specific treatment: see first aid measures in section 4.
- Immediately call a POISON CENTER or doctor/physician.

**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 |               |
| CAS-No.   | 64-19-7             | 2-3%          |

**4. FIRST-AID MEASURES**

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**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: 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. Immediately call a POISON CENTER or doctor/physician.

**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**

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**

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**

Part: 1003

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. 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 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).

Acetic acid: 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

Part: 1003

**9. PHYSICAL AND CHEMICAL PROPERTIES**
**9.1 Information on basic physical and chemical properties**

|   |                      |
|---|----------------------|
| Physical state                          | Blue tinted liquid   |
| Odor                                    | Pungent odor         |
| Odor threshold                          | No data available    |
| pH                                      | 2.5                  |
| 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 materials, strong bases, hypochlorites, and metals

**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**

Part: 1003

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

**Respiratory or skin sensitization**

Glacial Acetic Acid: It has been stated that repeated exposures to high concentrations may produce respiratory tract irritation with pharyngeal edema and chronic bronchitis.

**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**

Part: 1003

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>             | 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**

Preparation Information  
Newcomer Supply Inc.  
800-383-7799  
[www.newcomersupply.com](http://www.newcomersupply.com)  
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**1. PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product Name:** Alcian Blue/PAS Stain Kit, Sol'n C: Periodic Acid 0.5%, Aqueous

**Part Number:** 91022

**CAS-No.:** Not applicable

**SDS Number:** 3790

**1.2 Recommended Use:** Laboratory Chemicals

**1.3 Company:** Newcomer Supply  
2505 Parview Road  
Middleton, WI 53562 USA

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

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

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

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

Oxidizing liquid, Category 1

Skin corrosion, Category 1A

Serious eye damage, Category 1

**2.2 GHS Label elements**

**Signal Word** DANGER

**Pictogram**



**Hazard Statement(s):**

- May cause fire or explosion; strong oxidizer
- Causes severe skin burns and eye damage
- Causes skin irritation

**Precautionary Statement(s):**

**Prevention:**

- Keep away from heat/sparks/open flames/hot surfaces – No smoking
- Keep/Store away from clothing/.../combustible materials
- Take any precaution to avoid mixing with combustibles
- Wear fire/flame resistant/retardant clothing
- 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 ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- Wash contaminated clothing before reuse
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
- Specific treatment: see first aid measures in section 4
- 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

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IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion

In case of fire: See section 5 for extinction methods

**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

**3.2 Mixture**

**Hazardous Components**

| Component |               | Concentration |
|-----------|---------------|---------------|
| Name      | Periodic Acid |               |
| CAS-No.   | 10450-60-9    | 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. 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: 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. 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**

Does not contain components with occupational exposure limits.

**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**

Version 1.0

**9.1 Information on basic physical and chemical properties**

|   |                      |
|---|----------------------|
| Physical state                          | Colorless liquid     |
| Odor                                    | Odorless             |
| Odor threshold                          | No data available    |
| pH                                      | <2                   |
| 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 reducing agents, acids, bases, dimethyl sulfide, and metals

**10.6 Hazardous decomposition products**

No data available

**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**

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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

**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

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**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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## 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product Name:** Alcian Blue/PAS Stain Kit, Sol'n D: Schiff Reagent, McManus

**Part Number:** 91022

**CAS-No.:** Not applicable

**SDS Number:** 4210

**1.2 Recommended Use:** Laboratory Chemicals

**1.3 Company:** Newcomer Supply  
2505 Parview Road  
Middleton, WI 53562 USA

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

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

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

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

Corrosive to metals, Category 1

Skin corrosion, Category 1B

Serious eye damage, Category 1

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

Carcinogenicity, Category 1B

### 2.2 GHS Label elements

**Signal Word** DANGER

**Pictogram**



**Hazard Statement(s):**

- May be corrosive to metals
- Causes severe skin burns and eye damage
- Causes serious eye damage
- May cause respiratory irritation
- May cause drowsiness or dizziness
- May cause cancer

**Precautionary Statement(s):**

**Prevention:**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Keep only in original container
- Do not breathe dust/fume/gas/mist/vapours/spray
- Avoid breathing 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

**Response:**

- Absorb spillage to prevent material damage.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse
- Wash contaminated clothing before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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- Immediately call a POISON CENTER or doctor/physician
- Call a POISON CENTER or doctor/physician if you feel unwell
- IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician
- Specific treatment: see first aid measures in section 4
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

**Storage:**

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

**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      | Sodium Bisulfite  |               |
| CAS-No.   | 7631-90-5         | <1%           |
| Name      | Basic Fuchsin     |               |
| CAS-No.   | 569-61-9          | <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. 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. 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.



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**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**

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                          |

**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**

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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).

Where the potential exists for exposure over 2 ppm: use a NIOSH approved full facepiece respirator with an acid gas cartridge which is specifically approved for hydrochloric acid. Increased protection is obtained from full facepiece powered-air purifying respirators. Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect hydrochloric acid, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. 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 20 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 50 ppm is immediately dangerous to life and health. If the possibility of exposure above 50 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**
**9.1 Information on basic physical and chemical properties**

|   |                      |
|---|----------------------|
| Physical state                          | Colorless liquid     |
| Odor                                    | Pungent odor         |
| Odor threshold                          | No data available    |
| pH                                      | <2                   |
| 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    |

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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**

Store in tightly closed containers in a cool, well-ventilated area away from combustibles.

**10.5 Incompatible materials**

Hydrochloric acid may react explosively with alcohols; hydrogen cyanide; potassium permanganate; sodium; and tetraselenium tetranitride, and may ignite on contact with fluorine; hexalithium disilicide; metal acetylides and carbides. Hydrochloric acid reacts with oxidizing agents (such as perchlorates, peroxides, permanganates, chlorates, nitrates, chlorine and bromine) to form toxic chlorine gas and reacts violently with strong bases (such as sodium hydroxide and potassium hydroxide). Hydrochloric acid will attack many metals (such as copper, brass, and zinc) to release flammable and explosive hydrogen gas. Hydrochloric acid will react with aldehydes and epoxides to cause violent polymerization (self-reaction). Hydrochloric acid corrodes steel.

**10.6 Hazardous decomposition products**

No data available

**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Inhalation exposure**

It has been reported that exposure to 50 to 100 ppm of hydrochloric acid 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**

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

**Dermal exposure**

Dermal contact with hydrochloric acid may produce severe burns, ulceration, and scarring.

**Skin corrosion/irritation**

Hydrochloric acid is corrosive to the eyes, skin, and mucous membranes.

**Serious eye damage/irritation**

Hydrochloric acid is corrosive to the eyes, skin, and mucous membranes.

**Respiratory or skin sensitization**

No data available

**Germ Cell mutagenicity**

No data available

**Reproductive toxicity**

No data available

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**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**

Hydrochloric acid:

LCLo human 1300 ppm/30 minutes

LC50 rat 3124 ppm/1 hour

LC50 mouse 1108 ppm/1 hour

Basic Fuchsin:

LD50 mouse oral 5 g/kg

**Carcinogenicity**

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

Fuchsin: Group 2A, probable carcinogen

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**
**Proper shipping name**
**Hazard class**

Version 1.0

**Packing group****Environmental hazards**

No data available

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

Preparation Information

Newcomer Supply Inc.

800-383-7799

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