Part Number: 9112

SAFETY DATA SHEET (SDS)
Revision Date: 10/16/2017
Version 1.4

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name: Differential Stain Kit
Part Number: 9112
CAS-No.: Not applicable
SDS Number: 6100

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
Email: newly@newcomersupply.com

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 3
- Acute toxicity (dermal), Category 3
- Acute toxicity (inhalation), Category 3
- Skin irritation, Category 2
- Skin sensitisation, Category 1
- Serious Eye Damage/Eye irritation, Category 2A
- Specific Target Organ Toxicity – Single exposure, Category 1
- Reproductive toxicity, Category 2

2.2 GHS Label elements

Signal Word: DANGER

Pictogram

Hazard Statement(s):
- Highly flammable liquid and vapour
- Toxic if swallowed
- Toxic in contact with skin
- Toxic if inhaled
- Causes skin irritation
- May cause an allergic skin reaction
- Causes serious eye irritation
- Causes damage to organs
- Suspected of damaging the unborn child

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.
- 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.

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.
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 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 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 eye irritation persists get medical advice/attention.
· IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
· 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 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

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

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)

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>Proper shipping name</th>
<th>Hazard class</th>
<th>Packing group</th>
<th>Environmental hazards</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

### 15. REGULATORY INFORMATION

See component SDS

### 16. OTHER INFORMATION

Preparation Information
Newcomer Supply Inc.
800-383-7799
www.newcomersupply.com
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1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name: Differential Stain Kit, Sol'n A: Xanthene Stain
Part Number: 9112
CAS-No.: Not applicable
SDS Number: 4650

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
Email: newly@newcomersupply.com

2. HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture
GHS Classification, (in accordance with 29 CFR1910.1200)
Skin sensitisation, Category 1

2.2 GHS Label elements
Signal Word WARNING
Pictogram

Hazard Statement(s):
- May cause an allergic skin reaction

Precautionary Statement(s):
Prevention:
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.
Response:
- IF ON SKIN: Gently wash with plenty of soap and water.
- Wash contaminated clothing before reuse.
- If skin irritation or a rash occurs: Get medical advice/attention.
- Specific treatment: see first aid measures in section 4.
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

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
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<tbody>
<tr>
<td>Name</td>
<td>Xanthene Dye</td>
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<tr>
<td>CAS-No.</td>
<td>92-83-1</td>
</tr>
<tr>
<td></td>
<td>1%</td>
</tr>
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</table>

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: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or a rash 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. Get medical advice/attention if you feel unwell.

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/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.

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

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<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Reddish-pink translucent liquid; no precipitate</td>
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<tr>
<td>Odor</td>
<td>Odorless</td>
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<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>ca. 0°C (ca. 32°F)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>ca. 100°C (ca. 32°F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<td>Upper flammability or explosive limits</td>
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<td>Vapor pressure</td>
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</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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
Oxidizing agents

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
Xanthene may cause skin sensitization.

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

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.
1-800-383-7799
www.newcomersupply.com
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1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name: Differential Stain Kit, Sol'n B: Thiazine Stain
   Part Number: 9112
   CAS-No.: Not applicable
   SDS Number: 4480

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
   Email: newly@newcomersupply.com

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
   • Acute toxicity (oral), Category 4
   • Specific Target Organ Toxicity – Single exposure, Category 3

2.2 GHS Label elements
   Signal Word: WARNING
   Pictogram:

   Hazard Statement(s):
   • Causes skin irritation
   • Causes serious eye irritation
   • Harmful if swallowed
   • May cause respiratory irritation
   • May cause drowsiness or dizziness

   Precautionary Statement(s):
   Prevention:
   • Wear protective gloves/protective clothing/eye protection/face protection.
   • Wash skin thoroughly after handling.
   • Do not eat, drink or smoke when using this product.
   • Avoid breathing dust/fume/gas/mist/vapours/spray.
   • Use only outdoors or in a well-ventilated area.

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

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.
Part Number: 9112

SAFETY DATA SHEET (SDS)
Revision Date: 10/16/2017
Version 1.4

Storage:
- 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

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Methylene Blue</td>
</tr>
<tr>
<td>CAS-No.</td>
<td>7220-79-3</td>
</tr>
</tbody>
</table>

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. 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: 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 hazard: 0 | Fire hazard: 0 | Reactivity 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/PERSOINAL 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. 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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Opaque, dark blue liquid; no precipitate</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
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<td>pH</td>
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<td>Melting point/freezing point</td>
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<td>Initial boiling point and boiling range</td>
<td>ca. 100°C (ca. 32°F)</td>
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<tr>
<td>Property</td>
<td>Value</td>
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<td>----------------------------------------------</td>
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<tr>
<td>Flash point</td>
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<td>Evaporation rate</td>
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<td>Auto-ignition temperature</td>
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<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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
Oxidizing agents, reducing agents, and alkalis.

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
Methylene blue may be irritating to skin.

Serious eye damage/irritation
Methylene blue may cause irritation to the eyes.

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Reproductive toxicity
No data available
Specific target organ toxicity - single exposure
Methylene blue can be irritating to the respiratory tract.

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Acute toxicity
Methylene Blue:
LD50 rat oral  1180 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
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
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1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name: Differential Stain Kit, Sol’n C: Fixative
Part Number: 9112
CAS-No.: Not applicable
SDS Number: 2730

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
Email: newly@newcomersupply.com

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 3
Acute toxicity (dermal), Category 3
Acute toxicity (inhalation), Category 3
Serious Eye Damage/Eye irritation, Category 2A
Specific Target Organ Toxicity – Single exposure, Category 1
Reproductive toxicity, Category 2

2.2 GHS Label elements
Signal Word: DANGER

Pictogram

Hazard Statement(s):
· Highly flammable liquid and vapour
· Toxic if swallowed
· Toxic in contact with skin
· Toxic if inhaled
· Causes skin irritation
· Causes serious eye irritation
· Causes damage to organs
· Suspected of damaging fertility or the unborn child

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.
· Do not breathe dust/fume/gas/mist/vapours/spray.
· Use only outdoors or in a well-ventilated area.

Response:

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.
3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Hazardous Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>Methyl Alcohol</td>
<td>&gt;99%</td>
</tr>
<tr>
<td>Malachite Green</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

2.3 Description of any hazards not otherwise classified  No None

2.4 >1% of mixture with unknown acute toxicity  No None

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: 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. 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. 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.

<table>
<thead>
<tr>
<th>NFPA Rating</th>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>hazard:</td>
<td>1</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Regulatory</th>
<th>Value</th>
<th>Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Alcohol</td>
<td>67-56-1</td>
<td>OSHA PEL</td>
<td>TWA</td>
<td>200 ppm (260 mg/m³)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TLV</td>
<td>TWA</td>
<td>200 ppm (262 mg/m³)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TLV</td>
<td>STEL</td>
<td>50 ppm (328 mg/m³)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH REL</td>
<td>TWA</td>
<td>200 ppm (260 mg/m³)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH REL</td>
<td>STEL</td>
<td>250 ppm (325 mg/m³)</td>
</tr>
</tbody>
</table>

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).

Where the potential exists for exposure over 200 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 6,000 ppm is immediately dangerous to life and health. If the possibility of exposure above 6,000 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Translucent, light blue-green liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Alcoholic odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>ca. -97.8°C (ca. -144.0°F)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>ca. 64.6°C (ca. 148.3°F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>ca. 11.0°C (ca. 51.8°F) Closed cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>~4.6</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Liquid is flammable</td>
</tr>
<tr>
<td>Upper flammability or explosive limits</td>
<td>~36%</td>
</tr>
<tr>
<td>Lower flammability or explosive limits</td>
<td>~6%</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>96 mm Hg (Methyl Alcohol)</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.79 (Methyl Alcohol)</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble with water</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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

Methyl Alcohol: Oxidizing agents (such as perchlorates, peroxides, permanganates, chlorates, nitrates, chlorine, bromine and fluorine); alkyl aluminum salts; acetyl bromide; chromic anhydride; mixtures of chloroform and sodium hyroxide; phosphorus trioxide; mixtures of sulfuric acid and hydrogen peroxide; isocyanates; metals (such as lead, magnesium and potassium); and nitric acid.

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

Oral exposure
Oral exposure to methyl alcohol can cause nausea, vomiting, diarrhea and abdominal pain. Exposure to high concentrations can cause headache, dizziness, drowsiness, fatigue, loss of consciousness and death.

Dermal exposure
Contact with methyl alcohol can irritate the skin.

Skin corrosion/irritation
Prolonged or repeated exposure to methyl alcohol can cause drying and cracking of the skin with peeling, redness and itching.

Serious eye damage/irritation
Contact with methyl alcohol can irritate the eyes.

Respiratory or skin sensitization
No data available

Germ Cell mutagenicity
No data available

Reproductive toxicity
Methyl alcohol may be a TERATOGEN in humans since it is a teratogen in animals.

Specific target organ toxicity - single exposure
Exposure to methyl alcohol may affect the liver, kidneys, and the nervous system.

**Specific target organ toxicity - repeated exposure**
No data available

**Aspiration hazard**
No data available

**Acute toxicity**
Methyl Alcohol:
LD50 rat oral  1000-2000 mg/kg
LD50 rabbit dermal  20 ml/kg
LC50 rat inhalation 64,000 ppm/4 hours

Malachite Green:
LD50 rat oral  275 mg/kg
LC50 mouse oral 50 mg/kg

**Carcinogencity**
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)**

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>Proper shipping name</th>
<th>Hazard class</th>
<th>Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td>1230</td>
<td>Methanol</td>
<td>3</td>
<td>II</td>
</tr>
</tbody>
</table>
15. REGULATORY INFORMATION

15.1 No data available

16. OTHER INFORMATION

Preparation Information
Newcomer Supply Inc.
800-383-7799
www.newcomersupply.com
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