

Part Number: 1180G, 1180I

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name: Hematoxylin Stain, Gill III

Part Number: 1180G, 1180I

CAS-No.: Not applicable

SDS Number: 3190

1.2 Recommended Use: Laboratory Chemicals

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

Telephone: 1-800-383-7799

Fax: 1-608-831-0866

Website: www.newcomersupply.com

Email: info@newcomersupply.com

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

2. HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

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

Acute toxicity (oral), Category 4

Skin corrosion, Category 1

Serious eye damage, Category 1

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

Skin sensitisation, Category 1

Respiratory sensitization, Category 1

2.2 GHS Label elements

Signal Word DANGER

Pictogram



Hazard Statement(s):

- Harmful if swallowed
- Causes severe skin burns and eye damage
- May cause respiratory irritation
- May cause drowsiness or dizziness
- May cause an allergic skin reaction
- May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statement(s):

Prevention:

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

Response:

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- Wash contaminated clothing before reuse.
- If skin irritation or a rash occurs: Get medical advice/attention.

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· IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Specific treatment: see first aid measures in section 4.
- Immediately call a POISON CENTER or doctor/physician.

Storage:

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

Disposal:

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

2.3 Description of any hazards not otherwise classified None

2.4 >1% of mixture with unknown acute toxicity None

3. COMPOSITION/INFORMATION ON INGREDIENTS
3.2 Mixture
Hazardous Components

| Component | | Concentration |
|-----------|---------------------|---------------|
| Name | Hematoxylin | |
| CAS-No. | 517-28-2 | <1% |
| Name | Ethylene Glycol | |
| CAS-No. | 107-21-1 | 25% |
| Name | Sodium Iodate | |
| CAS-No. | 7681-55-2 | <1% |
| Name | Aluminum Sulfate | |
| CAS-No. | 10043-01-3 | 10% |
| Name | Glacial Acetic Acid | |
| CAS-No. | 64-19-7 | 2% |

4. FIRST-AID MEASURES
4.1 Description of necessary measures
Inhalation (breathing)

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Skin Contact

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

Eye Contact

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. 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

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5. FIRE-FIGHTING MEASURES
5.1 Suitable extinguishing media

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

5.2 Specific hazards arising from the substance or mixture

No data available

5.3 Protective equipment and precautions for fire-fighters

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

NFPA Rating

| | | |
|-----------|-----------|------------|
| Health | Fire | Reactivity |
| hazard: 2 | hazard: 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 |
|------------------|------------|------------|-------|----------------------|
| Aluminum sulfate | 10043-01-3 | OSHA PEL | STEL | 5 mg/m ³ |
| | | OSHA PEL | TWA | 15 mg/m ³ |
| | | ACGIH TLV | TWA | 1 mg/m ³ |
| | | NIOSH REL | TWA | 2 mg/m ³ |
| | | CANADA/ON | TWA | 1 mg/m ³ |
| | | CANADA/QC | TWA | 2 mg/m ³ |
| | | CANADA/AB | TWA | 2 mg/m ³ |
| | | CANADA/BC | TWA | 1 mg/m ³ |

| Component | CAS-No. | Regulatory | Value | Parameters |
|-----------------|-----------|------------|-------|-----------------------|
| Ethylene Glycol | 7784-26-1 | ACGIH TLV | C | 100 mg/m ³ |
| | | CANADA/ON | TWA | 25 mg/m ³ |

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| | | | | |
|--|--|-----------|------|---------------------------------|
| | | CANADA/ON | TWA | 50 ppm (10 mg/m ³) |
| | | CANADA/QC | C | 50 ppm (127 mg/m ³) |
| | | CANADA/QC | TWA | 2 mg/m ³ |
| | | CANADA/AB | TWA | 100 mg/m ³ |
| | | CANADA/BC | TWA | 10 mg/m ³ |
| | | CANADA/BC | STEL | 20 mg/m ³ |
| | | CANADA/BC | C | 50 ppm (100 mg/m ³) |

| Component | CAS-No. | Regulatory | Value | Parameters |
|-------------|---------|-----------------|-------|--------------------------------|
| Acetic Acid | 64-19-7 | OSHA PEL | TWA | 10 ppm (25 mg/m ³) |
| | | ACGIH TLV | TWA | 10 ppm (25 mg/m ³) |
| | | ACGIH TLV | STEL | 15 ppm (37 mg/m ³) |
| | | NIOSH REL | TWA | 10 ppm (25 mg/m ³) |
| | | NIOSH REL | STEL | 15 ppm (37 mg/m ³) |
| | | CANADA/QC | TWA | 10 ppm (25 mg/m ³) |
| | | CANADA/QC | STEL | 15 ppm (37 mg/m ³) |
| | | CANADA/ON TWAEV | TWA | 10 ppm (25 mg/m ³) |
| | | CANADA/ON TWAEV | STEL | 15 ppm (37 mg/m ³) |
| | | CANADA/BC | TWA | 10 ppm (25 mg/m ³) |
| | | CANADA/BC | STEL | 15 ppm (37 mg/m ³) |
| | | CANADA/AB | TWA | 10 ppm (25 mg/m ³) |
| | | CANADA/AB | STEL | 15 ppm (37 mg/m ³) |

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

| | |
|------------------------------|--------------------|
| Physical state | Blue-purple liquid |
| Odor | Mild vinegar odor |
| Odor threshold | No data available |
| pH | No data available |
| Melting point/freezing point | No data available |

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| | |
|---|-------------------|
| Initial boiling point and boiling range | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper flammability or explosive limits | No data available |
| Lower flammability or explosive limits | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density | No data available |
| Solubility(ies) | 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

Avoid contact with heat.

10.5 Incompatible materials

Strong acids, bases, and oxidizing agents; aldehydes; amines; hydroxides; oxides; peroxides; permanganates; soluble carbonates and phosphates.

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

Glacial acetic acid and aluminum sulfate can severely burn and irritate the skin.

Serious eye damage/irritation

Glacial acetic acid can severely burn and irritate the eyes, possibly leading to eye damage. Aluminum sulfate is corrosive to the eyes when in a water solution.

Respiratory or skin sensitization

Sodium iodate may cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Sodium iodate may cause allergic respiratory reaction.

Germ Cell mutagenicity

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No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

Hematoxylin may be irritating to the respiratory system.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Acute toxicity

Hematoxylin:

LD50 rat oral 400 mg/kg

Ethylene Glycol:

LD50 rat oral 4700 mg/kg

Sodium Iodate:

LD50 mouse oral 505 mg/kg

Aluminum Sulfate:

LD50 rat oral 370 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.

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14. TRANSPORT INFORMATION
14.1 DOT (US)

| | |
|------------------------------|---------------|
| UN-Number | Not regulated |
| Proper shipping name | Not regulated |
| Hazard class | Not regulated |
| Packing group | Not regulated |
| Environmental hazards | Not regulated |

15. REGULATORY INFORMATION
15.1 Canadian Regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all information required by the HPR.

Canada DSL Inventory: Registration Status

Acetic Acid (64-19-7): LISTED

Ethylene Glycol - 1,2-Ethanediol (107-21-1): LISTED

Sodium Iodate - Iodic acid (HIO₃), sodium salt (7681-55-2): LISTED

Aluminum Sulfate - Sulfuric acid, aluminum salt (3:2) (10043-01-3): LISTED

Hematoxylin - Benz[b]indeno[1,2-d]pyran-3,4,6a,9,10(6H)-pentol, 7,11b-dihydro-, cis-(+)- (517-28-2): LISTED

Canada Environmental Emergency Regulations Schedule 1: Listed Substance

Acetic Acid (64-19-7): LISTED

Canada NPRI (Supplier Notification Required): Listed Substance

Ethylene Glycol - 1,2-Ethanediol (107-21-1): LISTED

Export Control List (CEPA, 1999, Schedule 3)

Not listed

Non-Regulatory Instruments

Ethylene Glycol - 1,2-Ethanediol (107-21-1): LISTED

Schedule 8 of the New Substances Notification Regulations (Chemicals and Polymers)

Ethylene Glycol (107-21-1): LISTED

16. OTHER INFORMATION

Preparation Information

Newcomer Supply Inc.

800-383-7799

www.newcomersupply.com

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