

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
 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

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):

- May cause respiratory irritation
- May cause drowsiness or dizziness
- Causes severe skin burns and eye damage
- Causes serious eye damage
- Harmful if swallowed
- 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/vapours/spray
- Avoid breathing dust/fume/gas/mist/vapours/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 SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- IF ON SKIN: Gently wash with plenty of soap and water
- Specific treatment: see first aid measures in section 4

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

Skin Contact

IF ON SKIN: Gently wash with plenty of soap and water. 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)

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

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4.2 Most important symptoms and or effects, acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES
5.1 Suitable extinguishing media

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

5.2 Specific hazards arising from the substance or mixture

No data available

5.3 Protective equipment and precautions for fire-fighters

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

NFPA Rating

Health	Fire	Reactivity
hazard: 2	hazard: 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	7784-26-1	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

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

Component	CAS-No.	Regulatory	Value	Parameters
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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)

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
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

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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

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

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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.

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

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Preparation Information

Newcomer Supply Inc.

800-383-7799

www.newcomersupply.com

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