



# Genemed® Mayer's Hematoxylin

## Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Genemed® Mayer's Hematoxylin  
Product code : 10-0027

#### 1.2. Recommended use and restrictions on use

For use with Genemed® detection systems.  
For counterstain after immunohistochemistry (IHC) staining

#### 1.3. Supplier

Sakura Finetek USA Inc.  
1750 West 214th St.  
Torrance, CA 90501  
T 1-310-972-7800

#### 1.4. Emergency telephone number

CHEMTREC 1-800-424-9300  
Email: [SDSsupport@sakuraus.com](mailto:SDSsupport@sakuraus.com)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Skin irritation Skin irritation (Category 2)  
Eye irritation Eye irritation (Category 2A)  
Acute toxicity Acute toxicity, Oral (Category 4)

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

##### Hazard pictograms (GHS US)



**Signal Word** Warning  
**Hazard Statement** H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation

**Precautionary Statement** P264 Wash skin thoroughly after handling  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves, eye protection, face protection.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302 + P312 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 Specific treatment (see Section 4 on this label).  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P337+ P313 If eye irritation persists: Get medical advice/ attention.

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P362 Take off contaminated clothing and wash before reuse.  
P501 Dispose of contents/container to an approved waste disposal plant

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Enter applicable information

### 3.2. Mixtures

Name	CAS Number	%
chloral hydrate, 2,2,2-Trichloroethane-1,1-diol	302-17-0	5 - 10%
Aluminium ammonium bis(sulphate)	7784-26-1	5 - 10%

The specific chemical component identities and/or the exact component percentages of this material may be withheld as trade secrets.

This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1). Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/ inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.  
First-aid measures after skin contact : Wash off with soap and plenty of water. Consult a physician.  
First-aid measures after eye contact : Immediately flush eyes with copious amounts of water for at least 15 minutes and consult a physician.  
First-aid measures after ingestion : If swallowed rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.

### 4.2. Most important symptoms and effects (acute and delayed)

Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray, carbon dioxide, dry chemical or alcohol resistant foam.  
Do not use a heavy water stream

### 5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard  
Explosion hazard : No direct explosion hazard

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### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing

## SECTION 6: Accidental release measures

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

Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage

#### 6.1.1. For non-emergency personnel

Emergency procedures : Avoid breathing vapors, mist or gas. /avoid contact with skin and eyes. Ensure adequate ventilation.

#### 6.1.2. For emergency responders

Protective equipment : Wear personal protective equipment.

### 6.2. Environmental precautions

Do not let product enter drains.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk. Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Avoid contact with skin and eyes. Avoid inhalation of vapors, mist or gas. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Not expected to present a significant hazard under anticipated conditions of normal use.

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

Storage conditions : Keep in a cool, well-ventilated place away from heat. Protect from sunlight.  
Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Genemed® Mayer's Hematoxylin</b>
No additional information available
<b>chloral hydrate, 2,2,2-trichloroethane-1,1-diol (302-17-0)</b>
No additional information available
<b>Alum, ammonium (7784-26-1)</b>
No additional information available

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### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

<b>Hand protection:</b>
Chemical resistant, impervious gloves should be worn at all times when handling this product.
<b>Eye protection:</b>
Chemical safety goggles/glasses.
<b>Skin and body protection:</b>
Appropriate personal protective equipment for the body, foot and any additional skin protection measures should be selected based on the tasks being performed and risks involved.
<b>Respiratory protection:</b>
No respiratory protection should be needed under intended handling conditions. In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Red, Brown
Odor	: No data available
Odor threshold	: No data available
pH	: 2.4 @ 25°C
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No information available.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

Stable under recommended use conditions.

#### 10.3. Possibility of hazardous reactions

No data available.

#### 10.4. Conditions to avoid

No data available.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

No data available.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Unlikely under recommended use conditions.
Acute toxicity (dermal)	: Unlikely under recommended use conditions.
Acute toxicity (inhalation)	: Unlikely under recommended use conditions.
Skin corrosion/irritation	: Causes skin irritation. pH: 2.4 @ 25°C
Serious eye damage/irritation	: Causes serious eye irritation. pH: 2.4 @ 25°C
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available.
Additional Information	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

#### 12.2. Persistence and degradability

No data available.

#### 12.3. Bioaccumulative potential

No data available.

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### 12.4. Mobility in soil

No data available.

### 12.5. Other adverse effects

No data available.

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## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Do not re-use empty containers

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## SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

### 14.4. Packing group

Packing group (DOT) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### DOT

No data available.

#### IMDG

No data available.

#### IATA

No data available.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not listed
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Immediate Hazard -	Acute Health Hazard
Delayed Hazard -	Chronic Health Hazard
Fire Hazard -	N/A
Pressure Hazard -	N/A
Reactivity Hazard -	N/A

<b>SARA 302 Extremely hazardous substance</b>	Not subject to reporting requirements.
<b>SARA 311/312 Hazardous chemical</b>	Acute Health Hazard, Chronic Health Hazard
<b>SARA 313 (TRI reporting)</b>	Not subject to threshold reporting requirements.

<b>Chemical name</b>	<b>CAS number</b>	<b>% by wt.</b>
N/A	N/A	N/A

#### Other federal regulations

##### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

This product does not contain any chemical listed under the U.S. Clean Air Act Section 111 SOCOMI Intermediate or Final OVD's (40 CFR 60.489).

##### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

##### Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean water Act Section 307.

##### Safe Drinking Water Act (SDWA)

#### 15.2. International regulations

Country(s) or Region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

\*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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### 15.3. US State regulations

**US. Massachusetts RTK - Substance List**

No components are subject to US. Massachusetts RTK

**US. New Jersey Worker and Community Right-to-Know Act**

2,2,2-Trichloroethane-1,1-diol CAS 302-17-0

Aluminium ammonium bis(sulphate) CAS 7784-26-1

**US. Pennsylvania Worker and Community Right-to-Know Law**

2,2,2-Trichloroethane-1,1-diol CAS 302-17-0

Aluminium ammonium bis(sulphate) CAS 7784-26-1

**US. Rhode Island RTK**

No components are subject to the US. Rhode Island RTK

**US. California Proposition 65**

This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

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### SECTION 16: Other information

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Sakura Finetek USA, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.