



# Tissue-Tek Genie® 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 : Tissue-Tek Genie® Hematoxylin  
Product code : 8830-M250

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

For use with Tissue-Tek Genie® Advanced Staining System.

Not recommended for use with systems other than Tissue-Tek Genie Advanced Staining System

#### 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

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

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

##### GHS US labeling

Hazard Pictograms (GHS US)



Signal Word (GHS US)

Hazard Statement (GHS US)

Precautionary statement

Warning

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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.

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P337+ P313 If eye irritation persists: Get medical advice/ attention.  
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

N/A

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

N/A

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Mixture

### 3.2. Mixtures

Name	CAS Number	%
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)

See sections 2 and 11.

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

No data available.

## 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.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire Carbon oxides, nitrogen oxides, Sulphur oxides, hydrogen chloride gas and aluminum oxide.

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

Protection during firefighting : Wear self-contained breathing apparatus and protective fire fighting clothing.

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### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Wear personal protective equipment. 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 material and collect in suitable container.

#### 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.

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

Storage conditions : Keep product away from light when not in use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

US. ACGIH Threshold Limit Values			
Components	Type	Value	Form
None	N/A	N/A	N/A

  

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)			
Components	Type	Value	Form
None	N/A	N/A	N/A

  

US. NIOSH: Pocket Guide to Chemical Hazards			
Components	Type	Value	Form
None	N/A	N/A	N/A

  

Biological limit values	
	None

  

ACGIH Biological Exposure Indices		
Components	Value	Determinant
None	N/A	N/A

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice.

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### 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. Wash hands before and after use of 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.

#### 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	: No data available.
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 data 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	: No data available.
Serious eye damage/irritation	: No data available.
Respiratory or skin sensitization	: No data available.
Germ cell mutagenicity	: No data available.
Carcinogenicity	: No data available.
Reproductive toxicity	: No data available.
STOT-single exposure	: No data available.
STOT-repeated exposure	: No data available.
Aspiration hazard	: No data available.
Viscosity, kinematic	: No data available.
Additional information	: Stomach irregularities based on human evidence. (2,2,2- Trichloroethane-1,1-diol and Sodium iodate)information

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : 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.

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### 12.5. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Contact a licensed professional waste disposal service to dispose of this material.  
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.  
Dispose in accordance with applicable local, regional, national and international laws and regulations.

## SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

### 14.1. UN number

Not regulated as a dangerous good.

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : N/A  
Proper Shipping Name (IMDG) : N/A  
Proper Shipping Name (IATA) : N/A

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : N/A

#### IMDG

Transport hazard class(es) (IMDG) : N/A

#### IATA

Transport hazard class(es) (IATA) : N/A

### 14.4. Packing group

Packing group (DOT) : N/A  
Packing group (IMDG) : N/A  
Packing group (IATA) : N/A

### 14.5. Environmental hazards

Other information : N/A

### 14.6. Special precautions for user

#### DOT

N/A

#### IMDG

N/A

#### IATA

N/A

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

N/A

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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
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>
<b>Hazard categories</b>
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.

#### 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).

#### 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(suplhate) CAS 7784-26-1

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

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

### **US. Rhode Island RTK**

No components are subject to the US. Rhode Island RTK

### **US. California Proposition 65**

**WARNING:** This product can expose you to chemicals including Chloral hydrate, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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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.