



# SAFETY DATA SHEET

SDS#: 0008244-01 Rev: A  
Revision Date: n/a

Original Preparation Date: 12/19/17

## 1. Identification

**Product identifier** Tissue-Tek Prisma<sup>®</sup> Hematoxylin, part of Tissue-Tek Prisma<sup>®</sup> H&E Stain Kit #1

**Synonyms** Nuclear stain solution

**Other means of identification**

**Product code** 6191, part of 6190

**Recommended use** For use on Sakura Finetek Tissue-Tek Prisma and Tissue-Tek Prisma<sup>®</sup> Plus Automated Slide Stainers

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer/Supplier** Sakura Finetek USA, Inc.

**Address** 1750 West 214<sup>th</sup> Street  
Torrance, CA 90501, USA

**Telephone** 1-310-972-7800

**Emergency phone number** CHEMTREC: 1-800-424-9300

**Email** [SDSsupport@sakuraus.com](mailto:SDSsupport@sakuraus.com)

## 2. Hazard(s) identification

### Classification of substance

**Health hazards** Acute toxicity, oral (Category 3), Specific target organ toxicity, repeated exposure (STOT-RE) (Category 2) (Kidneys)

### Label elements

**Signal word** Danger

**Hazard statement** Harmful if swallowed. May cause damage to kidneys through prolonged or repeated exposure (oral routes).

### Pictogram



### Precautionary statement

**Prevention** Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breath mist/vapors/spray.

**Response** If swallowed or feel unwell: Call poison center or get medical advice/ attention. Rinse mouth.

**Disposal** Dispose of contents/containers in accordance with governmental regulations.

**Hazard(s) not otherwise classified (HNOC)** Causes eye irritation.

## 3. Composition/information on ingredients

Chemical name	CAS number	%*
Acetic acid	64-19-7	1-2%
Aluminum sulfate	10043-01-3	3-5%
Ethylene glycol	107-21-1	18-28%
Hematoxylin	517-28-2	<1%
Sodium iodate	7681-55-2	<1%

\*As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals in accordance with applicable provisions of paragraph (i).

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### 4. First-aid measures

#### Inhalation

Remove victim to fresh air if coughing or difficulty in breathing is experienced. Consult a physician if symptoms persist or worsen. Administer oxygen or artificial respiration as needed.

#### Skin contact

Remove contaminated clothing, including footwear; wash before reuse or discard. For minor exposure, wash affected area with water and mild soap, rinsing thoroughly. In cases of prolonged, repeated or extensive exposure, rinse affected area or entire body for at least 15 minutes. Consult a physician.

#### Eye contact

Flush eyes for at least 15 minutes in an eyewash station. Consult a physician.

#### Ingestion

Call a poison center immediately.

#### Most important symptoms/effects, acute and delayed

No information available.

#### Indication of immediate medical attention and special treatment needed

See listed first-aid procedures. No information available for special treatment. Treat according to symptoms.

### 5. Fire-fighting measures

#### Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

#### Unsuitable extinguishing media

n/a

#### Specific hazards arising from the chemical

Hazardous products of combustion: carbon monoxide and carbon dioxide.

#### Special protective equipment and precautions for firefighters

Fire-fighters may wear self-contained breathing apparatus if necessary.

### 6. Accidental release measures

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

Ensure adequate ventilation. Avoid inhalation of vapors. Avoid contact with skin and eyes. Wear protective gloves, impermeable aprons and splash-proof goggles.

#### Methods and materials for containment and cleaning up

Contain and soak up spill with inert absorbent material. Small spills can be cleaned with a damp sponge. Discard absorbents and other contaminated solids in a suitable trash receptacle. Wash contaminated area with soap and water.

#### Protective equipment

Wear protective gloves, impermeable aprons and splash-proof goggles.

### 7. Handling and storage

#### Precautions for safe handling

Avoid contact with skin and eyes.  
Avoid inhalation of vapors.  
Wear protective gloves, impermeable aprons and splash-proof goggles.

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

Keep containers tightly closed.  
Store at room temperature.

### 8. Exposure controls/personal protection

#### US. ACGIH Threshold Limit Values

Components	Type	Exposure Limit	Value
Acetic acid	64-19-7	OSHA (8 hr TWA)	10 ppm
Aluminum sulfate	10043-01-3	Not established for solutions	
Ethylene glycol	107-21-1	ACGIH Ceiling	100 mg/m <sup>3</sup> Aerosol only
Hematoxylin	517-28-2	None established	
Sodium iodate	7681-55-2	None established	

#### Exposure guidelines

#### Appropriate engineering controls

Good general room ventilation should be provided so that exposure limits are not exceeded. If required provide local exhaust ventilation to control vapors.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Use splash-proof goggles. Wear face shield if splashing hazard exists. An eyewash station must be nearby, no more than 10 seconds away.

##### Skin/Hand protection

Wear nitrile or chemical resistant gloves. Do not use latex surgical gloves for protection. Safety shower must be nearby, no more than 10 seconds away.

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**Respiratory protection** None needed for this concentration. When risk assessment shows one is necessary, wear respirator with organic vapor cartridge.

### 9. Physical and chemical properties

<b>Physical state</b>	Liquid
<b>Color</b>	Dark purple
<b>Odor</b>	Slight vinegar odor
<b>Odor threshold</b>	No data available
<b>pH</b>	2.1 – 2.7
<b>Melting point/freezing point</b>	No information available
<b>Initial boiling point and boiling range</b>	No information available
<b>Flash point</b>	No information available
<b>Flammability limit (%)</b>	No information available
<b>Explosive limit (%)</b>	No information available
<b>Relative density</b>	No information available
<b>Solubility (water)</b>	Complete in water
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	No information available
<b>Density</b>	No information available

### 10. Stability and reactivity

<b>Reactivity</b>	No hazardous reactions if stored and handled as indicated.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	The product is chemically stable.
<b>Conditions to avoid</b>	None under normal use conditions
<b>Incompatible materials</b>	Strong oxidants, acids, and alkalis
<b>Hazardous decomposition products</b>	No hazardous decomposition products if stored and handled as indicated.

### 11. Toxicological information

#### Information on likely routes of exposure

<b>Inhalation</b>	Likely route of exposure
<b>Skin contact</b>	Likely route of exposure
<b>Eye contact</b>	Likely route of exposure
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	None under normal use conditions. Eye contact causes irritation.

#### Information on toxicological effects

<b>Acute toxicity</b>	No information available for this product.		
Components	Species	Test Results	
Acute toxicity, oral	Rat	LD <sub>50</sub> =1,187 – 2,769 mg/kg	
Acute toxicity, dermal	rabbit	LD <sub>50</sub> > 10,626 mg/kg	

**Carcinogenicity** None as defined by 29 CFR 1900.1200

**Specific target organ toxicity - single exposure** No data to classify the product.

**Specific target organ toxicity - repeated** The following information is for 100% ethylene glycol.

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**exposure** Specific target organ toxicity, repeated exposure (STOT-RE): may cause damage to organs through prolonged or repeated exposure. Route: Oral.  
Affected organs: Kidneys.  
Rabbit: mild eye irritation, 24 hours

### 12. Ecological information

**Ecotoxicity** The following data are from studies using undiluted methanol.

Components	Duration	Species	Test Results
Toxicity fish	96 hours	Rainbow trout	LC <sub>50</sub> : 18,500 mg/l
Toxicity-aquatic invertebrates	48 hours	Daphnia (water flea)	LC <sub>50</sub> : 41,000 mg/l

**Persistence and degradability** No information available  
**Bioaccumulative potential** Bioconcentration factor for 100% ethylene glycol: 0.60, 61 days.  
**Mobility in soil** Full strength glyoxal will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is not expected.  
**Other adverse effects** No information available.

### 13. Disposal considerations

**Disposal instructions** Drain disposal may be possible with the permission of local wastewater treatment authorities. Otherwise contact a licensed professional waste disposal service to dispose of this material. Proper waste disposal is the generator's responsibility. Follow federal, state (provincial) and local regulations.

### 14. Transport information

**DOT** Not regulated as a dangerous good  
**IATA** Not regulated as a dangerous good  
**Marine pollutant** No information available

### 15. Regulatory information

**US federal regulations** This product is not considered hazardous per 29 CFR 1910.1200

#### US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	n/a
Canada	Domestic Substances List (DSL)	n/a
Canada	Non-Domestic Substances List (NDSL)	n/a
China	Inventory of Existing Chemical Substances in China (IECSC)	n/a
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	n/a
Europe	European List of Notified Chemical Substances (ELINCS)	n/a
Japan	Inventory of Existing and New Chemical Substances (ENCS)	n/a
Korea	Existing Chemicals List (ECL)	n/a

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New Zealand	New Zealand Inventory	n/a
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	n/a
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	n/a

\*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).

### 16. Other information, including date of preparation or last revision

**Issue date** 12/19/2017

**Revision date** n/a

**Version #** A

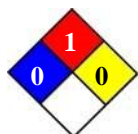
#### HMIS® ratings

Health: 0

Flammability: 1

Physical hazard: 0

NFPA rating



#### Disclaimer

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.