



# SAFETY DATA SHEET

SDS#: 0008245-01 Rev: B  
Revision Date: 10/09/2018

Original Preparation Date: 09/18/17

## 1. Identification

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

**Synonyms** Cytoplasmic stain

**Other means of identification**

**Product code** 6192, part of 6190

**Recommended use** For use on Sakura Finetek Tissue-Tek Prisma<sup>®</sup> 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

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids (Category 2)

**Health hazards** Acute toxicity, dermal (Category 3)  
Acute toxicity, inhalation (Category 3)  
Acute toxicity, oral (Category 3)  
Skin corrosion/irritation (Category 2)  
Eye damage/irritation (Category 2A)  
Specific target organ toxicity, single exposure (STOT-SE) (Category 1) (central nervous system, eyes, kidney, liver)

**Label elements**

**Signal word** Danger

**Hazard statement** Highly flammable liquid and vapor.  
Toxic in contact with skin.  
Toxic if inhaled.  
Toxic if swallowed.  
Causes skin irritation.  
Causes serious eye irritation.  
Causes damage to organs.

**Pictogram**



**Precautionary statement**

**Prevention**

Do not breathe mist/vapors/spray.  
Wash skin thoroughly after handling.  
Use in a well-ventilated area.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating and lighting equipment.

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<b>Response</b>	Use only non-sparking tools. Take precautionary measures against static discharge. If swallowed: Immediately call a poison center or doctor. If exposed/concern/do not feel well: Call poison center or get medical advice/attention. Rinse mouth. If on skin/hair: Take off immediately all contaminated clothing. Rinse skin with plenty of water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish. Specific treatment: See Section 4 of this SDS. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.
<b>Disposal</b>	Dispose of contents/containers in accordance with governmental regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None as defined under 29 CFR 1900.1200

### 3. Composition/information on ingredients

Chemical name	CAS number	%
Acetic acid	64-19-7	*
Eosin-Y	17372-87-1	<1%
Methanol	67-56-1	*

\* 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).

### 4. First-aid measures

<b>Inhalation</b>	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.
<b>Skin contact</b>	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.
<b>Eye contact</b>	Flush eyes for at least 15 minutes in an eyewash station. Consult a physician.
<b>Ingestion</b>	Call a poison center immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Toxic if swallowed. Toxic if absorbed through skin. Causes skin irritation. Causes eye irritation. May be harmful if inhaled. Causes respiratory irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	See listed first-aid procedures. No information available for special treatment. Treat according to symptoms.
<b>General Information</b>	n/a

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media</b>	n/a
<b>Specific hazards arising from</b>	Hazardous products of combustion: carbon monoxide and carbon dioxide.

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### the chemical

<b>Special protective equipment and precautions for firefighters</b>	Fire-fighters may wear self-contained breathing apparatus if necessary. Keep unopened containers cool by spraying with water.
<b>Fire fighting equipment/instructions</b>	n/a
<b>Specific methods</b>	n/a
<b>General fire hazards</b>	n/a

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation. Avoid inhalation of vapors. Avoid contact with skin and eyes. Eliminate sources of ignition. Take precautionary measures against static electricity.
<b>Methods and materials for containment and cleaning up</b>	Eliminate sources of ignition with large spills. Take precautionary measures against static electricity. 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. Dispose absorbents and other contaminated solids as a hazardous waste. Wash contaminated area with soap and water.
<b>Protective equipment</b>	Wear protective gloves, impermeable aprons and splash-proof goggles.

### 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with skin and eyes. Avoid inhalation of vapors. Wear protective gloves, impermeable aprons and splash-proof goggles. Use proper grounding procedures for storage and when moving to transfer containers.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep containers tightly closed in a dry and well-ventilated place. Store at room temperature. Flammable liquid.

### 8. Exposure controls/personal protection

Components	Type	Exposure Limit	Value
Acetic acid	64-19-7	OSHA (8 hr TWA)	10 ppm
Eosin-Y	17372-87-1	None established	
Methanol	67-56-1	ACGIH TLV(TWA)	200 ppm
		ACGIH TLV (STEL)	250 ppm
		OSHA (8 hr TWA)	200 ppm
		OSHA STEL	250 ppm

#### Exposure guidelines

<b>Appropriate engineering controls</b>	Good general room ventilation should be provided so that exposure limits are not exceeded. If required provide local exhaust ventilation to control vapors.
<b>Eye/face protection</b>	Use splash-proof goggles. Wear face shield if splashing hazard exists. An eyewash station must be nearby, no more than 10 seconds away.
<b>Skin / Hand protection</b>	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.
<b>Respiratory protection</b>	None needed for laboratory usage. 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>	Orange-pink with fluorescent green cast
<b>Odor</b>	Characteristic methanol odor
<b>Odor threshold</b>	No data available
<b>pH</b>	4.5 – 4.9
<b>Melting point/freezing point</b>	No information available

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<b>Initial boiling point and boiling range</b>	No information available
<b>Flash point</b>	66°F (18.9°C) closed cup
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</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>	Eosin-Y dye precipitates out in 50% 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>	Heat, flames and sparks. Temperatures greater than flash point.
<b>Incompatible materials</b>	Alkali and strong oxidants.
<b>Hazardous decomposition products</b>	No hazardous decomposition products if stored and handled as indicated. Carbon oxides can form under fire conditions.

### 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>Symptoms related to the physical, chemical and toxicological characteristics</b>	The following statements are based on data for undiluted methanol. Poison, may be fatal or cause blindness if swallowed. Cannot be made non-poisonous. Ingestion may cause gastrointestinal irritation, headache, dizziness, metabolic acidosis, coma, seizures. Symptoms may be delayed. Eye and skin contact causes irritation.

#### Information on toxicological effects

<b>Acute toxicity</b>	No information is known for this product	
Components	Species	Test Results
Acute toxicity, oral	Rat	LD <sub>50</sub> =1,187 – 2,769 mg/kg
Acute toxicity, inhalation	Rat	LD <sub>50</sub> =128.2 m/l, 4 hours
Acute toxicity, inhalation	Rat	LD <sub>50</sub> =87.6 m/l, 6 hours
Acute toxicity, dermal	rabbit	LD <sub>50</sub> : 17,100 mg/kg
Oral	Human	LDLO=143 mg/kg Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Lungs, thorax or respiration: dyspnea.
<b>Carcinogenicity</b>	None as defined by 29 CFR 1900.1200	
<b>Specific target organ toxicity - single exposure</b>	Specific target organ toxicity, single exposure (STOT-SE): causes damage to organs (nervous system).	
<b>Specific target organ toxicity - repeated exposure</b>	Methanol is slowly eliminated from the body, therefore it can have cumulative toxicity effects with repeated exposures.	

### 12. Ecological information

<b>Ecotoxicity</b>	The following data are from studies using undiluted methanol.		
<b>Components</b>	<b>Duration</b>	<b>Species</b>	<b>Test Results</b>

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Toxicity fish	96 hours 200 hours	Lepomis macrochirus Oryzias latipes	LC <sub>50</sub> : 15,400 mg/l No observed effect concentration 7,900 mg/l
Toxicity-aquatic invertebrates	48 hours	Daphnia magna	EC <sub>50</sub> > 10,000mg/l
Toxicity-aquatic plants	96 days	Scenedesmus capricornutum	Growth inhibition EC <sub>50</sub> : 22,000 mg/l
<b>Persistence and degradability</b>	Undiluted methanol: readily biodegradable:72% (aerobic-exposure time 5 days). Biochemical Oxygen Demand (BOD) for undiluted methanol: 600-1,120 mg/g. Chemical Oxygen Demand (COD) for undiluted methanol: 1,420 mg/g. Theoretical oxygen demand (ThOD) for undiluted methanol: 1,500 mg/g.		
<b>Bioaccumulative potential</b>	Bioconcentration factor (BCF) for undiluted methanol: 1.0 Bioaccumulation for undiluted methanol: Cyprinus carpio (Carp), 72 days at 20°C, 5 mg/l.		
<b>Mobility in soil</b>	Undiluted methanol will not adsorb on soil.		
<b>Other adverse effects</b>	Undiluted methanol: avoid release to environment; hydrolyses on contact with water, hydrolyses readily.		

### 13. Disposal considerations

**Disposal instructions** 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** Proper Shipping Name: Flammable liquid, n.o.s. (methanol)  
Packing Group: II

**UN number** UN1993

**Class** Hazard Class: 3

**IATA** Proper Shipping Name: Flammable liquid, n.o.s. (methanol)

**UN Number** UN1993

**Transport hazard class(es)** Hazard Class: 3

**Packing group** Packing Group: II

**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

WARNING: This product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

#### 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
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).

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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** 12/12/2017

**Revision date** 10/09/2018

**Version #** B

#### HMIS® ratings

Health: 2

Flammability: 3

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.