



SAFETY DATA SHEET

SDS#: 0008245-01 Rev: A
Revision Date: n/a

Original Preparation Date: 12/19/17

1. Identification

Product identifier Tissue-Tek Prisma[®] Eosin, part of Tissue-Tek Prisma[®] 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[®] and Tissue-Tek Prisma[®] Plus Automated Slide Stainers

Manufacturer/Importer/Supplier/Distributor information

Manufacturer/Supplier Sakura Finetek USA, Inc.

Address 1750 West 214th 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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Response	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.
Storage	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.
Disposal	Dispose of contents/containers in accordance with governmental regulations.
Hazard(s) not otherwise classified (HNOC)	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

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	Toxic if swallowed. Toxic if absorbed through skin. Causes skin irritation. Causes eye irritation. May be harmful if inhaled. Causes respiratory irritation.
Indication of immediate medical attention and special treatment needed	See listed first-aid procedures. No information available for special treatment. Treat according to symptoms.
General Information	n/a

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.

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Avoid inhalation of vapors. Avoid contact with skin and eyes. Eliminate sources of ignition. Take precautionary measures against static electricity.
Methods and materials for containment and cleaning up	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.
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. Use proper grounding procedures for storage and when moving to transfer containers.
Conditions for safe storage, including any incompatibilities	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) ACGIH TLV (STEL) OSHA (8 hr TWA) OSHA STEL	200 ppm 250 ppm 200 ppm 250 ppm

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

9. Physical and chemical properties

Physical state	liquid
Color	Orange-pink with fluorescent green cast
Odor	Characteristic methanol odor
Odor threshold	No data available
pH	4.5 – 4.9
Melting point/freezing point	No information available

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Initial boiling point and boiling range	No information available
Flash point	66°F (18.9°C) closed cup
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability limit (%)	No information available
Explosive limit (%)	No information available
Relative density	No information available
Solubility (water)	Eosin-Y dye precipitates out in 50% water.
Decomposition temperature	No information available
Viscosity	No information available
Density	No information available

10. Stability and reactivity

Reactivity	No hazardous reactions if stored and handled as indicated.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	The product is chemically stable.
Conditions to avoid	Heat, flames and sparks. Temperatures greater than flash point.
Incompatible materials	Alkali and strong oxidants.
Hazardous decomposition products	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

Inhalation	Likely route of exposure
Skin contact	Likely route of exposure
Symptoms related to the physical, chemical and toxicological characteristics	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

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

12. Ecological information

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

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Toxicity fish	96 hours 200 hours	Lepomis macrochirus Oryzias latipes	LC ₅₀ : 15,400 mg/l No observed effect concentration 7,900 mg/l
Toxicity-aquatic invertebrates	48 hours	Daphnia magna	EC ₅₀ > 10,000mg/l
Toxicity-aquatic plants	96 days	Scenedesmus capricornutum	Growth inhibition EC ₅₀ : 22,000 mg/l
Persistence and degradability	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.		
Bioaccumulative potential	Bioconcentration factor (BCF) for undiluted methanol: 1.0 Bioaccumulation for undiluted methanol: Cyprinus carpio (Carp), 72 days at 20°C, 5 mg/l.		
Mobility in soil	Undiluted methanol will not adsorb on soil.		
Other adverse effects	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

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
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 12/19/2017

Revision date n/a

Version # A

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.