



SAFETY DATA SHEET

SDS#: GS-31851 Rev. B
Revision Date: 10/09/2018

Original Preparation Date: 09/16/16

1. Identification

Product identifier Tissue-Tek Genie® Hematoxylin

Other means of identification

Product code 8830-M250

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

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

Manufacturer/Importer/Supplier/Distributor information

Manufacturer/Supplier Sakura Finetek USA, Inc.

Address 1750 W 214th St.
Torrance, CA 90501
United States

Telephone 1-(310)-972-7800

Emergency phone number Chemtrec 1-800-424-9300

Email SDSsupport@SakuraUS.com

2. Hazard(s) identification


Physical hazards Skin irritation
Eye irritation

Health hazards Acute toxicity

Environmental hazards none

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

Label elements

Hazard symbol 

Signal word Warning

Hazard statement H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statement

Prevention 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.

Response 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.
 P362 Take off contaminated clothing and wash before reuse.

Storage

Disposal P501 Dispose of contents/container to an approved waste disposal plant.

Hazard(s) not otherwise classified (HNOC) None Known

3. Composition/information on ingredients

Mixtures: Mixture

Chemical name	CAS number	%
2,2,2-Trichloroethane-1,1-diol	302-17-0	5 - 10%
Aluminium ammonium bis(sulphate)	7784-26-1	5 - 10%

4. First-aid measures

Inhalation	Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin contact	Wash off with soap and plenty of water. Consult a physician.
Eye contact	Immediately flush eyes with copious amounts of water for at least 15 minutes and consult a physician
Ingestion	If swallowed rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms/effects, acute and delayed	See sections 2 and 11.
Indication of immediate medical attention and special treatment needed	No data available.
General Information	

5. Fire fighting measures

Suitable extinguishing media	Water spray, carbon dioxide, dry chemical or alcohol resistant foam.
Unsuitable extinguishing media	No data available
Specific hazards arising from the chemical	Carbon oxides, nitrogen oxides, Sulphur oxides, hydrogen chloride gas and aluminum oxide.
Special protective equipment and precautions for firefighters	No data available
Fire fighting equipment/instructions	Wear self-contained breathing apparatus and protective fire fighting clothing.
Specific methods	No data available.
General fire hazards	No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear personal protective equipment. Avoid breathing vapors, mist or gas. /avoid contact with skin and eyes. Ensure adequate ventilation.
Methods and materials for containment and cleaning up	Absorb material and collect in suitable container.
Environmental precautions	Do not let product enter drains.

7. Handling and storage

Precautions for safe handling	Wear personal protective equipment. Avoid contact with skin and eyes. Avoid inhalation of vapors, mist or gas.
Conditions for safe storage, including any incompatibilities	Keep product away from light when not in use. No data available

8. Exposure controls/personal protection

Occupational exposure limits

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

Exposure guidelines N/A

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

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical safety goggles/glasses.

Skin protection

Hand protection Chemical resistant, impervious gloves should be worn at all times when handling this product.

Other 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.

Respiratory protection No respiratory protection should be needed under intended handling conditions.

Thermal hazards N/A

General hygiene considerations Wash hands before and after use of product.

9. Physical and chemical properties

Appearance	
Physical state	
Form	Liquid
Color	Red, Brown
Odor	No data available
Odor threshold	No data available
pH	2.4 @ 25 °C
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	No data available
Flammability limit – upper (%)	No data available
Explosive limit - lower (%)	No data available
Explosive limit - upper (%)	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	
Solubility (water)	No data available
Partition coefficient (n-octanol/water)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Other information	
Density	No data available
Explosive properties	No data available
Oxidizing properties	No data available
VOC (Weight%)	No data available

10. Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under recommended use conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No data available

11. Toxicological information

Information on likely routes of exposure

Inhalation	Unlikely under recommended use conditions.
Skin contact	Unlikely under recommended use conditions.
Eye contact	Unlikely under recommended use conditions.
Ingestion	Unlikely under recommended use conditions.

Symptoms related to the physical, chemical and toxicological characteristics

Information on toxicological effects

Acute toxicity	No data available	
Components	Species	Test Results
N/A	N/A	N/A
Skin corrosion/irritation	No data available	
Serious eye damage/eye irritation	No data available	
Respiratory or skin sensitization		
Respiratory sensitization	No data available	
Skin sensitization	No data available	
Germ cell mutagenicity	No data available	
Carcinogenicity	No data available	
IARC Monographs. Overall Evaluation of Carcinogenicity		No data available
NTP Report on Carcinogens		No data available
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		No data available
Reproductive toxicity	No data available	
Specific target organ toxicity - single exposure	No data available	
Specific target organ toxicity - repeated exposure	No data available	
Aspiration hazard	No data available	
Chronic effects	No data available	
Additional information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	

Stomach irregularities based on human evidence. (2,2,2-Trichloroethane-1,1-diol and Sodium iodate)

12. Ecological information

Ecotoxicity

Components	Species	Test Results
N/A	N/A	N/A
Persistence and degradability	No data available	
Bioaccumulative potential	No data available	
Mobility in soil	No data available	
Other adverse effects	No data available	

13. Disposal considerations

Disposal instructions

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

Local disposal regulations	equipped with an after burner and scrubber. Dispose in accordance with applicable local, regional, national and international laws and regulations.
Hazardous waste code	Dispose in accordance with applicable local, regional, national and international laws and regulations.
Waste from residues / unused products	N/A
Contaminated packaging	Dispose in accordance with applicable local, regional, national and international laws and regulations.

14. Transport information

DOT	Not regulated as a dangerous good
UN number	N/A
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Class	N/A
Subsidiary risk	N/A
Label(s)	N/A
IATA	N/A
UN Number	N/A
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Class	N/A
Subsidiary risk	N/A
Packing group	N/A
Environmental hazards	N/A
ERG Code	N/A
Special precautions for user	N/A
IMDG	N/A
UN number	N/A
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Class	N/A
Subsidiary risk	N/A
Packing group	N/A
Environmental hazards	N/A
Marine pollutant	N/A
EmS	N/A
Special precautions for user	N/A
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	N/A
General information	None

15. Regulatory information

US federal regulations

Tissue-Tek Genie® Hematoxylin

GS-31851 Rev.B

SDS U.S.

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TE-05-032-01 v2.0 (effective 8/17/15)

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

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

Chemical name	CAS number	% by wt.
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)

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
US. Pennsylvania Worker and Community Right-to-Know Law 2,2,2-Trichloroethane-1,1-diol CAS 302-17-0
 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.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
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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).

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

Issue date	09/16/2016
Revision date	10/09/2018
Version #	B
Further information	HMIS is a registered trade and service mark of the American Coatings Association (ACA).
HMIS® ratings	Health: 2 *Chronic Flammability: 0 Physical hazard: 0

NFPA ratings



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.