




# SAFETY DATA SHEET

SDS#: GS-31851 Rev:A  
Revision Date: 2/28/18

Original Preparation Date: 09/16/16

<b>1. Identification</b>	
<b>Product identifier</b>	Tissue-Tek Genie® Hematoxylin
<b>Other means of identification</b>	
<b>Product code</b>	8830-M250
<b>Recommended use</b>	For use with Tissue-Tek Genie® Advanced Staining System
<b>Recommended restrictions</b>	Not recommended for use with systems other than Tissue-Tek Genie Advanced Staining System
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer/Supplier</b>	Sakura Finetek USA, Inc.
<b>Address</b>	1750 W 214 <sup>th</sup> St. Torrance, CA 90501 United States
<b>Telephone</b>	1-(310)-972-7800
<b>Emergency phone number</b>	Chemtrec 1-800-424-9300
<b>Email</b>	<a href="mailto:SDSsupport@SakuraUS.com">SDSsupport@SakuraUS.com</a>
<b>2. Hazard(s) identification</b>	
<b>Physical hazards</b>	Skin irritation Eye irritation
<b>Health hazards</b>	Acute toxicity
<b>Environmental hazards</b>	none
<b>OSHA defined hazards</b>	Acute toxicity, Oral (Category 4) Skin irritation (Category 2) Eye irritation (Category 2A)
<b>Label elements</b>	
<b>Hazard symbol</b>	
<b>Signal word</b>	Warning
<b>Hazard statement</b>	H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation.
<b>Precautionary statement</b>	
<b>Prevention</b>	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.

<b>Response</b>	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.	
<b>Storage</b>		
<b>Disposal</b>	P501 Dispose of contents/container to an approved waste disposal plant.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None Known	
<b>3. Composition/information on ingredients</b>		
<b>Mixtures:</b> Mixture		
<b>Chemical name</b>	<b>CAS number</b>	<b>%</b>
2,2,2-Trichloroethane-1,1-diol	302-17-0	5 - 10%
Aluminium ammonium bis(sulphate)	7784-26-1	5 - 10%
<b>4. First-aid measures</b>		
<b>Inhalation</b>	Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.	
<b>Skin contact</b>	Wash off with soap and plenty of water. Consult a physician.	
<b>Eye contact</b>	Immediately flush eyes with copious amounts of water for at least 15 minutes and consult a physician	
<b>Ingestion</b>	If swallowed rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.	
<b>Most important symptoms/effects, acute and delayed</b>	See sections 2 and 11.	
<b>Indication of immediate medical attention and special treatment needed</b>	No data available.	
<b>General Information</b>		
<b>5.Fire fighting measures</b>		
<b>Suitable extinguishing media</b>	Water spray, carbon dioxide, dry chemical or alcohol resistant foam.	
<b>Unsuitable extinguishing media</b>	No data available	
<b>Specific hazards arising from the chemical</b>	Carbon oxides, nitrogen oxides, Sulphur oxides, hydrogen chloride gas and aluminum oxide.	
<b>Special protective equipment and precautions for firefighters</b>	No data available	
<b>Fire fighting equipment/instructions</b>	Wear self-contained breathing apparatus and protective fire fighting clothing.	
<b>Specific methods</b>	No data available.	
<b>General fire hazards</b>	No data available.	

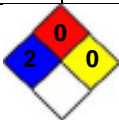
6. Accidental release measures	
<b>Personal precautions, protective equipment and emergency procedures</b>	Wear personal protective equipment. Avoid breathing vapors, mist or gas. /avoid contact with skin and eyes. Ensure adequate ventilation.
<b>Methods and materials for containment and cleaning up</b>	Absorb material and collect in suitable container.
<b>Environmental precautions</b>	Do not let product enter drains.
7. Handling and storage	
<b>Precautions for safe handling</b>	Wear personal protective equipment. Avoid contact with skin and eyes. Avoid inhalation of vapors, mist or gas.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep product away from light when not in use. No data available
8. Exposure controls/personal protection	
<b>Occupational exposure limits</b>	
<b>US. ACGIH Threshold Limit Values</b>	
<b>Components</b>	<b>Type</b>
None	N/A
<b>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</b>	
<b>Components</b>	<b>Type</b>
None	N/A
<b>US. NIOSH: Pocket Guide to Chemical Hazards</b>	
<b>Components</b>	<b>Type</b>
None	N/A
<b>Biological limit values</b>	
	None
<b>ACGIH Biological Exposure Indices</b>	
<b>Components</b>	<b>Value</b>
None	N/A
<b>Exposure guidelines</b>	N/A
<b>Appropriate engineering controls</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Chemical safety goggles/glasses.
<b>Skin protection</b>	
<b>Hand protection</b>	Chemical resistant, impervious gloves should be worn at all times when handling this product.
<b>Other</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.
<b>Thermal hazards</b>	N/A
<b>General hygiene considerations</b>	Wash hands before and after use of product.

<b>9. Physical and chemical properties</b>	
<b>Appearance</b>	
<b>Physical state</b>	
<b>Form</b>	Liquid
<b>Color</b>	Red, Brown
<b>Odor</b>	No data available
<b>Odor threshold</b>	No data available
<b>pH</b>	2.4 @ 25 °C
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point and boiling range</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	No data available
<b>Flammability limit – upper (%)</b>	No data available
<b>Explosive limit - lower (%)</b>	No data available
<b>Explosive limit - upper (%)</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	No data available
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	No data available
<b>Partition coefficient (n-octanol/water)</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Other information</b>	
<b>Density</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available
<b>VOC (Weight%)</b>	No data available
<b>10. Stability and reactivity</b>	
<b>Reactivity</b>	No data available
<b>Chemical stability</b>	Stable under recommended use conditions.
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	No data available

<b>Incompatible materials</b>	Strong oxidizing agents.	
<b>Hazardous decomposition products</b>	No data available	
<b>11. Toxicological information</b>		
<b>Information on likely routes of exposure</b>		
<b>Inhalation</b>	Unlikely under recommended use conditions.	
<b>Skin contact</b>	Unlikely under recommended use conditions.	
<b>Eye contact</b>	Unlikely under recommended use conditions.	
<b>Ingestion</b>	Unlikely under recommended use conditions.	
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>		
<b>Information on toxicological effects</b>		
<b>Acute toxicity</b>	No data available	
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
N/A	N/A	N/A
<b>Skin corrosion/irritation</b>	No data available	
<b>Serious eye damage/eye irritation</b>	No data available	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	No data available	
<b>Skin sensitization</b>	No data available	
<b>Germ cell mutagenicity</b>	No data available	
<b>Carcinogenicity</b>	No data available	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		No data available
<b>NTP Report on Carcinogens</b>		No data available
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>		No data available
<b>Reproductive toxicity</b>	No data available	
<b>Specific target organ toxicity - single exposure</b>	No data available	
<b>Specific target organ toxicity - repeated exposure</b>	No data available	
<b>Aspiration hazard</b>	No data available	
<b>Chronic effects</b>	No data available	
<b>Additional information</b>	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-1,1,1-triol and Sodium iodate)	
<b>12. Ecological information</b>		
<b>Ecotoxicity</b>		
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
N/A	N/A	N/A
<b>Persistence and degradability</b>	No data available	
<b>Bioaccumulative potential</b>	No data available	
<b>Mobility in soil</b>	No data available	
<b>Other adverse effects</b>	No data available	

<b>13. Disposal considerations</b>	
<b>Disposal instructions</b>	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.
<b>Local disposal regulations</b>	Dispose in accordance with applicable local, regional, national and international laws and regulations.
<b>Hazardous waste code</b>	N/A
<b>Waste from residues / unused products</b>	Dispose in accordance with applicable local, regional, national and international laws and regulations.
<b>Contaminated packaging</b>	Dispose in accordance with applicable local, regional, national and international laws and regulations.
<b>14. Transport information</b>	
<b>DOT</b>	Not regulated as a dangerous good
<b>UN number</b>	N/A
<b>UN proper shipping name</b>	N/A
<b>Transport hazard class(es)</b>	N/A
<b>Class</b>	N/A
<b>Subsidiary risk</b>	N/A
<b>Label(s)</b>	N/A
<b>IATA</b>	N/A
<b>UN Number</b>	N/A
<b>UN proper shipping name</b>	N/A
<b>Transport hazard class(es)</b>	N/A
<b>Class</b>	N/A
<b>Subsidiary risk</b>	N/A
<b>Packing group</b>	N/A
<b>Environmental hazards</b>	N/A
<b>ERG Code</b>	N/A
<b>Special precautions for user</b>	N/A
<b>IMDG</b>	N/A
<b>UN number</b>	N/A
<b>UN proper shipping name</b>	N/A
<b>Transport hazard class(es)</b>	N/A
<b>Class</b>	N/A
<b>Subsidiary risk</b>	N/A
<b>Packing group</b>	N/A
<b>Environmental hazards</b>	N/A
<b>Marine pollutant</b>	N/A
<b>EmS</b>	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		
<b>15. Regulatory information</b>			
<b>US federal regulations</b>			
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		
<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		
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.		
<b>Chemical name</b>	<b>CAS number</b>	<b>% by wt.</b>	
N/A	N/A	N/A	
<b>Other federal regulations</b>			
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)			
<b>US state regulations</b>			
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		

<b>US. Rhode Island RTK</b>		No components are subject to the US. Rhode Island RTK	
<b>US. California Proposition 65</b>		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.	
<b>International Inventories</b>			
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).			
<b>16. Other information, including date of preparation or last revision</b>			
<b>Issue date</b>		9/16/16	
<b>Revision date</b>		2/28/18	
<b>Version #</b>		A	
<b>Further information</b>		HMIS is a registered trade and service mark of the American Coatings Association (ACA).	
<b>HMIS® ratings</b>		Health:	2 *Chronic
		Flammability:	0
		Physical hazard:	0
<b>NFPA ratings</b>			
<b>Disclaimer</b>	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.		