



# SAFETY DATA SHEET

SDS#: GS-33429 Rev A  
Revision Date: 04/30/2020

Original Preparation Date: 04/27/2020

## 1. Identification

**Product identifier** Reagent #1 and Reagent #2, part of the Tissue-Tek Genie® DAB Cleaning Reagent Kit

**Other means of identification**

**Product code** 8607-M030, 8608-M030, part of 8606-K060

**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. To be used by authorized person trained to handle hazardous chemicals

**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](mailto:SDSsupport@SakuraUS.com)

## 2. Hazard(s) identification

### Physical hazards

**Health hazards** Skin Corrosion / Irritation (Category 1B)  
Serious Eye Damage / Eye Irritation (Category 1)

**OSHA defined hazards** N/A

### Label elements

**Hazard symbol**



**Signal word**

Danger

**Hazard statement**

H314 - Causes severe skin burns and eye damage

### Precautionary statement

**Prevention**

P260 - Do not breathe mist, vapors, spray  
P264 - Wash exposed skin thoroughly after handling  
P280 - Wear protective gloves, protective clothing, eye protection, face protection

**Response**

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a poison center or doctor/physician  
P363 - Wash contaminated clothing before reuse

**Storage**

P405 - Store locked up

**Disposal** P501 - Dispose of contents/container to comply with local, state and federal regulations

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

**3. Composition/information on ingredients**

Chemical name	CAS number	%
Sulfuric acid	7664-93-9	2-3%

**4. First-aid measures**

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
<b>Skin contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician..
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.
<b>Most important symptoms/effects, acute and delayed</b>	Causes severe skin burns and eye damage. Symptoms/effects after inhalation : Corrosion of the upper respiratory tract. Symptoms/effects after skin contact : Caustic burns/corrosion of the skin. Symptoms/effects after eye contact : Causes serious eye damage. Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
<b>Indication of immediate medical attention and special treatment needed</b>	No Data Available
<b>General Information</b>	Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.

**5.Fire-fighting measures**

<b>General fire hazards</b>	The product is not flammable. Use water spray, carbon dioxide or dry chemicals to extinguish the fire.
<b>Suitable extinguishing media</b>	Water spray, foam, dry powder or carbon dioxide.
<b>Unsuitable extinguishing media</b>	None known
<b>Specific hazards arising from the chemical</b>	Thermal decomposition generates : Corrosive vapors.
<b>Special protective equipment and precautions for firefighters</b>	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment
<b>Fire-fighting equipment/instructions</b>	Wear self-contained breathing apparatus and protective fire-fighting clothing.
<b>Specific methods</b>	Foam. Dry powder. Carbon dioxide. Water spray. Sand
<b>General fire hazards</b>	No data available.

**6.Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures</b>	Use personal protective equipment. Keep unauthorized personnel away. Keep up wind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with skin, eyes and clothing.
<b>Methods and materials for containment and cleaning up</b>	Stop leak if it can be done without risk. Neutralize with sodium carbonate or sodium bicarbonate. Dilute with water. Absorb spill with vermiculite or other

inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.  
 Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**Environmental precautions**

**7. Handling and storage**

**Precautions for safe handling**

Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Do not eat, drink or smoke when using the product. Use only with adequate ventilation. Wash hands thoroughly after handling. See Section 8 of the SDS for Personal Protective Equipment.

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

Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Keep container tightly closed in a cool, well-ventilated place. Store away from incompatible materials. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of chemicals.

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Source
Sulfuric acid	TWA	1mg/m <sup>3</sup>	OSHA
	TWA	1mg/m <sup>3</sup>	NIOSH
	TWA	0.2mg/m <sup>3</sup> thoracic particulate matter	ACGIH

**Exposure guidelines**

N/A

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after use of product.

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

**Appropriate Engineering Controls**

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

**Eye/face protection**

Chemical goggles and face shield are recommended.

**Skin protection**

**Hand protection**

Use chemical resistant, impervious gloves when handling this product.

**Other**

Wear suitable protective clothing and gloves.

**Respiratory protection**

In case of inadequate ventilation use suitable respirator.

**Thermal hazards**

N/A

**General hygiene considerations**

Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. Wash contaminated clothing before reuse.

**9. Physical and chemical properties**

**Appearance**

**Physical state**

Liquid

**Color**

Colorless

**Odor**

No data available.

**Odor threshold**

No data available.

**pH**

No data available

<b>Melting point/freezing point</b>	No data available.
<b>Initial boiling point and boiling range</b>	No data available
<b>Flash point</b>	Not relevant
<b>Evaporation rate</b>	No data available.
<b>Flammability (solid, gas)</b>	Not flammable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	Not relevant
<b>Flammability limit – upper (%)</b>	Not relevant
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	1.03 g/ml
<b>Solubility (water)</b>	Soluble
<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Auto-ignition temperature</b>	Not relevant
<b>Decomposition temperature</b>	No data available.
<b>Viscosity</b>	1.07cSt

## 10. Stability and reactivity

<b>Reactivity</b>	Sulfuric acid may react with alcohols and amines. Incompatible with acetic acid, acrylic acid, ammonium hydroxide, cresol, cumene, dichloroethylether, ethylene cyanohydrin, ethyleneimine, nitric acid, 2-nitropropane, proplene oxide, sulfolane, vinylidene chloride, diethylene glycol monoethylether, ethyl acetate, ethylene cyanohydrin, ethylene glycol monoethylether acetate, glyoxal, methyl ethyl ketone. Contact with metals may evolve flammable hydrogen gas.
<b>Chemical stability</b>	Stable under recommended storage and use conditions
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Oxidizing agents. Reducing agents. Acids. Bases, Metals, sodium hypochlorite, silver nitrate.
<b>Hazardous decomposition products</b>	Thermal decomposition may release sulfur oxides. Carbon dioxide, carbon monoxide, Corrosive vapors

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Causes irritation.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	Toxic if swallowed.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	No data available
<b>Information on toxicological effects</b>	

<b>Acute toxicity</b>	Oral Product	LD50 (Rat):2140mg/kg LD50 (Mouse): No information available. LD50 (Rabbit): No information available.
	Dermal Product	LD50 (Rabbit): No information available.

Inhalation Product	LC50 (Rat, 1h): 347ppm LC50 (Mouse, 2h): 510ppm
Repeated dose toxicity Product	No information available.
Skin Corrosion / Irritation Product	No information available.
Serious Eye Damage / Eye Irritation Product	No information available.
Respiratory or Skin Sensitization Product	No information available.
Repeated dose toxicity product	No information available.

## 12. Ecological information

<b>Ecotoxicity</b>	Fresh water fish	LC50 (Brachydanio rerio), 96h static 1, 500mg/L
	Aquatic invertebrates	EC50 Waterflea (Daphnia magna), 24h): 29 mg/l

## 13. Disposal considerations

<b>Disposal instructions</b>	Discharge, treatment, or disposal may be subject to national, state, or local laws.
<b>Waste from residues / unused products</b>	Observe all federal, state and local environmental regulations.
<b>Contaminated packaging</b>	Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

<b>UN number</b>	UN3264
<b>UN proper shipping name</b>	Corrosive liquid, acidic, Inorganic, n.o.s. (Sulfuric acid)
<b>Transport hazard class(es)</b>	8
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	N/A
<b>Special Precautions for user</b>	N/A

### IATA

<b>UN Number</b>	UN3264
<b>UN proper shipping name</b>	Corrosive liquid, acidic, Inorganic, n.o.s. (Sulfuric acid)
<b>Transport hazard class(es)</b>	8
<b>Packing Group</b>	III
<b>Environmental hazards</b>	N/A
<b>ERG Code</b>	N/A
<b>Marine Pollutant</b>	N/A
<b>Special precautions for user</b>	N/A

### IMDG

<b>UN number</b>	UN3264
<b>UN proper shipping name</b>	Corrosive liquid, acidic, Inorganic, n.o.s. (Sulfuric acid)
<b>Transport hazard class(es)</b>	8
<b>Packing Group</b>	III

<b>Environmental hazards</b>	N/A
<b>Marine pollutant</b>	N/A
<b>EmS</b>	F-A, S-B
<b>Special precautions for user</b>	N/A
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	N/A

## 15. Regulatory information

### US federal regulations

#### Sulfuric acid

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 1761

New Jersey (EHS) List: 1761 500 lb TPQ

New Jersey - Discharge Prevention - List of Hazardous Substances: Present

Pennsylvania RTK: Environmental hazard bel

Pennsylvania RTK - Environmental Hazard List Present

Minnesota - Hazardous Substance List: Present

New York Release Reporting - List of Hazardous Substances: 1000 lb RQ 100 lb RQ

Louisiana Reportable Quantity List for Pollutants: 1000lbfinal RQ 454kgfinal RQ

California Directors List of Hazardous Substances: Present

FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 184.1095 FDA - 21 CFR - Total Food Additives 172.560, 172.892, 173.385, 176.170, 176.180, 176.210, 177.2800, 178.1010, 179.45, 184.1095, 73.85

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986. Chemicals known to the State of California to Cause Cancer: This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals known to the State of California to Cause Reproductive Toxicity: This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Component	CAS No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity
Sulfuric acid	7664-93-9	Not listed.	Not listed.	Not listed.	Not listed.

#### CERCLA/SARA

Component	CAS No.	CERCLA-Hazardous substance and their reportable quantities	Section 302 Extremely hazardous substances and TPQs	Section 302 Extremely hazardous substances and RQs	Section 313 Chemical Category	Section 313 Reporting de minimis
Sulfuric acid	7664-93-9	1000lb final RQ 454kg final RQ	1000lb final RQ 1000lb EPCRA RQ	N/A	N/A	1.0% de minimis concentration

#### U.S. TSCA

Component	CAS No.	TSCA section 5(a)2- Chemicals with significant new use rules (SNURS)	TSCA 8(d)-Health and safety reporting
Sulfuric acid	7664-93-9	Not applicable	Not applicable

### International Inventories

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No data available
Canada	Domestic Substances List (DSL)	No data available

Canada	Non-Domestic Substances List (NDSL)	No data available
China	Inventory of Existing Chemical Substances in China (IECSC)	No data available
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No data available
Europe	European List of Notified Chemical Substances (ELINCS)	No data available
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No data available
Korea	Existing Chemicals List (ECL)	No data available
New Zealand	New Zealand Inventory	No data available
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No data available
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No data available

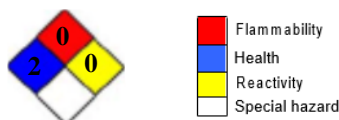
\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

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

<b>Issue date</b>	04/27/2020
<b>Revision date</b>	04/30/2020
<b>Version #</b>	A
<b>Further information</b>	N/A

### NFPA ratings



### Disclaimer

Hazard rating: 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Severe; RNP-Rating not possible

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