



SAFETY DATA SHEET

SDS#: GS-33430 Rev A
Revision Date: 04/30/2020

Original Preparation Date: 04/27/2020

1. Identification

Product identifier Reagent #3, part of Tissue-Tek Genie® DAB Cleaning Reagent Kit

Other means of identification

Product code 8609-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

2. Hazard(s) identification

Health hazards H315 Causes skin irritation. Skin corrosion/irritation Category 2
H319 Causes serious eye irritation. Serious eye damage/eye irritation Category 2A

Environmental hazards N/A

OSHA defined hazards N/A

Label elements

Hazard symbol



Signal word

Warning

Hazard statement

H315-Causes skin irritation.
H319-Causes serious eye irritation.

Precautionary statement

Prevention

P264 - Wash exposed skin thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P302+P352 - 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
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

Response

Allow victim to breathe fresh air. Allow the victim to rest.
P264 - Wash exposed skin thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P302+P352 - 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
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

Storage	Store in a well-ventilated place. Keep at room temperature. Store locked up.
Disposal	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC)	None Known

3. Composition/information on ingredients

Chemical name	CAS number	%
Oxalic acid	6153-56-6	5%

4. First-aid measures

Inhalation	Allow victim to breathe fresh air. Allow the victim to rest.
Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control center immediately. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes. If skin irritation occurs: Get medical advice/attention.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Call a physician or poison control center immediately. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get in to the lungs.
Most important symptoms/effects, acute and delayed	Symptoms/effects after skin contact: Causes skin irritation.
Indication of immediate medical attention and special treatment needed	Symptoms/effects after eye contact: Causes serious eye irritation. Chronic symptoms: Kidney disorders. Obtain medical assistance.
General Information	Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting measures

General fire hazards	Do not use heavy water stream.
Suitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	Do not use heavy water stream.
Specific hazards arising from the chemical	N/A
Special protective equipment and precautions for firefighters	Do not enter fire area without proper protective equipment, including respiratory protection.
Fire-fighting equipment / instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.
Specific methods	No data available.
General fire hazards	No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Safety glasses. Gloves. Evacuate unnecessary personnel. Ventilate Area. Equip cleanup crew with proper protection. See Heading 8. Exposure controls and personal protection.
Methods and materials for containment and cleaning up	N/A

Environmental precautions Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

7. Handling and storage

Precautions for safe handling and hygiene measures Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Wash exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities Keep only in the original container in a cool, well ventilated place away from : incompatible materials. Keep container closed when not in use
 Strong oxidizers. silver nitrate. Mercury (Hg). Sodium hypochlorite. Strong bases. Sources of ignition
 Direct sunlight.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Source
Oxalic acid	TWA	1mg/m ³ (oxalic acid, USA, Tim-weighted average exposure limit 8h, TLV- adopted value)	ACGIH
	STEL	2mg/m ³ (Oxalic acid, USA, short time value, TLV- adopted value)	ACGIH
	TWA	1mg/m ³	OSHA PEL

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 Provide adequate general and local exhaust ventilation. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

General information Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eyewash and safety shower must be available in the immediate work area. Chemical goggles and face shield are recommended.

Eye/face protection

Skin protection

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

Other Wear suitable protective clothing and gloves.

Respiratory protection Respiratory protection not required in normal conditions

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 foot wear that cannot be cleaned. Wash contaminated clothing before reuse.

9. Physical and chemical properties

Appearance

Physical state Liquid

Color Colorless

Odor Odorless

Odor threshold No data available.

pH No data available.

Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	Not relevant
Evaporation rate	No data available.
Flammability (solid, gas)	Not flammable
Flammability limits	Not relevant
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	Not relevant
Decomposition temperature	No data available.
Viscosity	No data available.

10. Stability and reactivity

Reactivity	N/A
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	N/A
Conditions to avoid	Direct Sunlight. Extremely high or low temperatures
Incompatible materials	Strong oxidizers. Sodium hypochlorite. silver nitrate. Strong bases.
Hazardous decomposition products	Carbon monoxide. Carbon dioxide. formic acid.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Causes irritation.																				
Skin contact	Causes skin irritation.																				
Eye contact	Causes serious eye irritation.																				
Ingestion	Toxic if swallowed.																				
Symptoms related to the physical, chemical and toxicological characteristics	No data available																				
Information on toxicological effects																					
Acute toxicity	<table> <tr> <td>Oral Product</td> <td>LD50 (Rat):7500mg/kg LD50 (Mouse): Not available LD50 (Rabbit): Not available</td> </tr> <tr> <td>Dermal Product</td> <td>LD50 (Rat): 20000 mg/kg</td> </tr> <tr> <td>Inhalation Product</td> <td>No information available.</td> </tr> <tr> <td>Repeated dose toxicity Product</td> <td>No information available.</td> </tr> <tr> <td>Skin Corrosion / Irritation Product</td> <td>Causes skin irritation.</td> </tr> <tr> <td>Serious Eye Damage / Eye Irritation Product</td> <td>Causes serious eye irritation.</td> </tr> <tr> <td>Respiratory or Skin Sensitization</td> <td>No information available.</td> </tr> <tr> <td>Carcinogenicity Product</td> <td>Not classified as carcinogen.</td> </tr> <tr> <td>Germ Cell Mutagenicity</td> <td>Not classified as germ cell mutagen.</td> </tr> <tr> <td>Reproductive toxicity Product</td> <td>Not classified.</td> </tr> </table>	Oral Product	LD50 (Rat):7500mg/kg LD50 (Mouse): Not available LD50 (Rabbit): Not available	Dermal Product	LD50 (Rat): 20000 mg/kg	Inhalation Product	No information available.	Repeated dose toxicity Product	No information available.	Skin Corrosion / Irritation Product	Causes skin irritation.	Serious Eye Damage / Eye Irritation Product	Causes serious eye irritation.	Respiratory or Skin Sensitization	No information available.	Carcinogenicity Product	Not classified as carcinogen.	Germ Cell Mutagenicity	Not classified as germ cell mutagen.	Reproductive toxicity Product	Not classified.
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Specific Target Organ Toxicity- Single Exposure Product	Not classified.
Specific Target Organ Toxicity- Repeated Exposure Product	Not classified.
Aspiration Hazard Product	Not classified

12. Ecological information

Ecotoxicity	Fresh water fish	34.1mg/L, LC50, 96 h
	Aquatic invertebrates	137 mg/L, EC50, 48 h
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	Discharge, treatment, or disposal in accordance to federal and local laws.
Ecology – waste materials	Avoid release to the environment
Waste from unused products	Observe all federal, state and local environmental regulations.
Contaminated packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. Regulatory information

US federal regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Oxalic Acid N/A N/A N/A N/A N/A N/A

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
Oxalic acid, dihydrate	6153-56-6	NA	5%

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	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	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

Issue date 04/27/2020

Revision date 04/30/2020

Version # A

Further information N/A

NFPA ratings



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

Full Test of H-phrases H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

Disclaimer

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