



Tissue-Tek Genie® Citrate Antigen Retrieval Solution

Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)
Issue date: 09/16/2016
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SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Tissue-Tek Genie® Citrate Antigen Retrieval Solution
Product code : 8742-G001

1.2. Recommended use and restrictions on use

For use with Tissue-Tek Genie® Advanced Staining System.
Not recommended for use with systems other than Tissue-Tek Genie® Advanced Staining System.

1.3. Supplier

Sakura Finetek USA Inc.
1750 West 214th St.
Torrance, CA 90501
T 1-310-972-7800

1.4. Emergency telephone number

CHEMTREC 1-800-424-9300
Email: SDSsupport@sakuraus.com

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not a hazardous substance or mixture.

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Not a hazardous substance or mixture.

2.3. Other hazards which do not result in classification

Not a hazardous substance or mixture.

2.4. Unknown acute toxicity (GHS US)

Not a hazardous substance or mixture.

SECTION 3: Composition/Information on ingredients

3.1. Substances

Mixture

3.2. Mixtures

Name	CAS Number	%
Sodium Azide	26628-22-8	< 0.01%

The specific chemical component identities and/or the exact component percentages of this material may be withheld as trade secrets.

Tissue-Tek Genie® Citrate Antigen Retrieval Solution

Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1). Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/ inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move person to fresh air.
First-aid measures after skin contact : Wash off with plenty of water.
First-aid measures after eye contact : Immediately flush eyes with copious amounts of water for several minutes. If eye irritation persists, consult a physician.
First-aid measures after ingestion : If swallowed seek medical attention. Do not induced vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects (acute and delayed)

No data available.

4.3. Immediate medical attention and special treatment, if necessary

No data available.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media Water spray, carbon dioxide, dry chemical powder or alcohol resistant foam.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire No data available.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Wear self-contained breathing apparatus and protective fire fighting clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Wear personal protective equipment. Avoid contact with eyes, skin and breathing in mist.

6.1.2. For emergency responders

Protective equipment : Wear personal protective equipment.

6.2. Environmental precautions

No special environmental precautions.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb material and collect in suitable container.

6.4. Reference to other sections

For further information refer to section 13.

Tissue-Tek Genie® Citrate Antigen Retrieval Solution

Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Avoid contact with eyes, skin and breathing in mist.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store at Room Temperature.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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	
No data available.	

ACGIH Biological exposure indices		
Components	Value	Determinant
None	N/A	N/A

8.2. Appropriate engineering controls

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

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Chemical resistant, impervious gloves should be worn at all times when handling this product. Wash hands before and after use of product.
Eye protection:
Chemical safety goggles/glasses.
Skin and body protection:
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.

Tissue-Tek Genie® Citrate Antigen Retrieval Solution

Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Green
Odor	: No data available.
Odor threshold	: No data available.
pH	: 5.9 – 6.1
Melting point	: No data available.
Freezing point	: No data available.
Boiling point	: No data available.
Flash point	: No data available.
Relative evaporation rate (butyl acetate=1)	: No data available.
Flammability	: No data available.
Vapor pressure	: No data available.
Relative vapor density at 20°C	: No data available.
Relative density	: No data available.
Solubility	: No data available.
Partition coefficient n-octanol/water (Log Pow)	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.
Viscosity, kinematic	: No data available.
Viscosity, dynamic	: No data available.
Explosion limits	: No data available.
Explosive properties	: No data available.
Oxidizing properties	: No data available.

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No data available.

Tissue-Tek Genie® Citrate Antigen Retrieval Solution

Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Unlikely under recommended use conditions
Acute toxicity (dermal)	: Unlikely under recommended use conditions
Acute toxicity (inhalation)	: Unlikely under recommended use conditions
Skin corrosion/irritation	: No data available.
Serious eye damage/irritation	: No data available.
Respiratory or skin sensitization	: No data available.
Germ cell mutagenicity	: No data available.
Carcinogenicity	: No data available.
Reproductive toxicity	: No data available.
STOT-single exposure	: No data available.
STOT-repeated exposure	: No data available.
Aspiration hazard	: No data available.
Viscosity, kinematic	: No data available.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose in accordance with applicable local, regional, national and international laws and regulations.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

14.1. UN number

Not regulated as a dangerous good.

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: N/A
Proper Shipping Name (IMDG)	: N/A
Proper Shipping Name (IATA)	: N/A

Tissue-Tek Genie® Citrate Antigen Retrieval Solution

Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : N/A

IMDG

Transport hazard class(es) (IMDG) : N/A

IATA

Transport hazard class(es) (IATA) : N/A

14.4. Packing group

Packing group (DOT) : N/A

Packing group (IMDG) : N/A

Packing group (IATA) : N/A

14.5. Environmental hazards

Other information : N/A

14.6. Special precautions for user

DOT

N/A

IMDG

N/A

IATA

N/A

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

N/A

SECTION 15: Regulatory information

15.1. US Federal regulations

TSCA Section 12(b) export notification (40 CFR 707, subpart D)	
Not listed.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not listed.	
CERCLA Hazardous Substance List (40 CFR 302.4)	
Not subject to reporting requirements.	
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	
Immediate hazard	N/A
Delayed hazard	N/A
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	
Not subject to requirements.	
SARA 313 (TRI reporting)	
Not subject to threshold reporting requirements.	

15.2. International regulations

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Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Country(s) or Region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances (AICS)	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).

15.3. US State regulations

US. Massachusetts RTK - Substance List.

Sodium Azide CAS 26628-22-8, < 0.1%

US. New Jersey Worker and Community Right-toKnow Act

Sodium Azide CAS 26628-22-8, < 0.1%

US. Pennsylvania Worker and Community Right-toKnow Law

Sodium Azide CAS 26628-22-8, < 0.1%

US. Rhode Island RTK

Sodium Azide CAS 26628-22-8, < 0.1%

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.

SECTION 16: Other information

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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.