



# Tissue-Tek Genie® Dewax Solution

## Safety Data Sheet

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

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Tissue-Tek Genie® Dewax Solution  
Product code : 8865-G001

#### 1.2. Recommended use and restrictions on use

For use with 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](mailto: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	%
Dipropylene glycol n-propyl ether	29911-27-1	100%

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

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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. If effects occur consult a physician.  
First-aid measures after skin contact : Wash off with plenty of water.  
First-aid measures after eye contact : Immediately flush eyes with copious amount of water for several minutes. If eye irritation persists consult a physician.  
First-aid measures after ingestion : If swallowed seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

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

See section 11.

#### 4.3. Immediate medical attention and special treatment, if necessary

No data available. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### 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. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

#### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire Carbon Oxides

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing. Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Avoid accumulation of water. Product may be carried across water surface spreading fire or contracting an ignition source.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Isolate areas. Wear personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Isolate areas. Wear personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Avoid contact with skin and eyes.

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. Wear personal protective equipment.

### 6.2. Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb with materials such as sand or vermiculite. Collect in suitable and properly labeled containers.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Avoid contact with skin and eyes.

Hygiene measures : Wear Personal Protective Equipment (PPE).

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed in a dry and well-ventilated place.

## 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	None		
ACGIH Biological Exposure Indices			
Components	Value	Determinant	
None	N/A	N/A	

### 8.2. Appropriate engineering controls

Appropriate engineering controls : General ventilation should be sufficient for most operations, if required local exhaust ventilation may be necessary. Handle in accordance with good industrial hygiene and safety practice.

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### 8.3. Individual protection measures/Personal protective equipment

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

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: Ether
Odor threshold	: No data available
pH	: No data available
Melting point	: -85 °C
Freezing point	: -85 °C
Boiling point	: 212 °C (760 mmHg)
Flash point	: Closed cup 94 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: No data available
Vapor pressure	: 10Pa @ 20 °C (68 °F)
Relative vapor density at 20°C	: No data available
Relative density	: 0.919 @ 25 °C (Reference: water = 1)
Solubility	: (Water) 150000 mg/L @ 20 °C
Partition coefficient n-octanol/water (Log Pow)	: 0.88
Auto-ignition temperature	: 205 °C @ 1,013hPa
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 4.7mPa.s @ 20 °C
Explosion limits	: (Lower) 0.68% (V)
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

Enter available information

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

Stable under recommended use conditions.

#### 10.3. Possibility of hazardous reactions

Polymerization will occur.

#### 10.4. Conditions to avoid

Exposure to heat, flame and sparks. Do not allow evaporation to dry. Possible emission of gaseous decomposition products may lead to dangerous pressure build up.

#### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Aldehydes, ketones, and organic acids.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury. Swallowing larger amounts may cause injury. LD50, Rat > 2,000 mg/kg
Acute toxicity (dermal)	: Prolonged skin contact is unlikely to result in absorption of harmful amounts. LD50, Rabbit, > 2,000 mg/kg. No deaths occurred at this concentration.
Acute toxicity (inhalation)	: At room temperature exposure to vapor is minimal due to low volatility. Single exposure is not likely to be hazardous. No relevant data found for respiratory irritation and narcotic effects.
Skin corrosion/irritation	: Brief contact may cause slight skin irritation with local redness.
Serious eye damage/irritation	: May cause moderate eye irritation and may cause slight corneal injury.
Respiratory or skin sensitization	: Respiratory :No data available. Skin : Did not cause allergic skin reactions when tested in guinea pigs.
Germ cell mutagenicity	: In vitro genetic toxicity studies were negative.
Carcinogenicity	: IARC Monographs. Overall Evaluation of Carcinogenicity - Not possible from current data. NTP Report on Carcinogens - No data available. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) - No data available.
Reproductive toxicity	: In animal studies, did not interfere with reproduction.
STOT-single exposure	: Data suggests that this material is not an STOT-SE toxicant.
STOT-repeated exposure	: From available data, repeated exposures are not anticipated to cause additional significant adverse effects.
Aspiration hazard	: No data available.
Viscosity, kinematic	: No data available.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Species	:	Test Results
Fish, LC50, Oncorhynchus mykiss (rainbow trout), static test, 96 Hour > 100 mg/L	:	No known toxic ecological effects.
Aquatic invertebrates, EC50, Daphnia magna (water flea), static test, 48 Hour > 100 mg/L	:	No known toxic ecological effects.

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Algae/aquatic plants, EC50, Pseudokirchneriella subcapitata (green algae), static test, p6 Hour, Biomass > 1,000 mg/L.

No known toxic ecological effects.

### 12.2. Persistence and degradability

Material is readily biodegradable.

Biodegradation: 92%. Exposure time: 28 days.

Theoretical Oxygen Demand: 2.27 mg/mg

Photodegradation Sensitizer: OH radicals

Atmospheric half-life: 2.7 Hour

Estimated Method

### 12.3. Bioaccumulative potential

Bioaccumulation: BCF < 3

Partition Coefficient: n-octanol/water: log Pow: 0.88

### 12.4. Mobility in soil

Potential for mobility in soil is very high. Koc: 0-50.

Partition coefficient (Koc): 2.8 Estimated

### 12.5. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods

: Do not dump into any sewers, on the ground or into any body of water. Dispose in accordance with applicable local, regional, national and international laws and regulations. See Section 6 for cleanup procedures. See Sections 7 and 8 for additional handling information and protection of employees. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

## 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)

: Not regulated as a dangerous good.

Proper Shipping Name (IMDG)

: Not regulated as a dangerous good.

Proper Shipping Name (IATA)

: Not regulated as a dangerous good.

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT)

: Not regulated as a dangerous good.

#### IMDG

Transport hazard class(es) (IMDG)

: Not regulated as a dangerous good.

#### IATA

Transport hazard class(es) (IATA)

: Not regulated as a dangerous good.

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### 14.4. Packing group

Packing group (DOT) : Not regulated as a dangerous good.  
Packing group (IMDG) : Not regulated as a dangerous good.  
Packing group (IATA) : Not regulated as a dangerous good.

### 14.5. Environmental hazards

Other information : Not regulated as a dangerous good.

### 14.6. Special precautions for user

#### DOT

Not regulated as a dangerous good.

#### IMDG

Not regulated as a dangerous good.

#### IATA

Not regulated as a dangerous good.

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

Not regulated as a dangerous good.

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>
Not listed.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>
Not listed.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>
Not listed.
<b>SARA 302 Extremely hazardous substance</b>
Not subject to reporting requirements.
<b>SARA 311/312 Hazardous chemical</b>
Not subject to requirements.
<b>SARA 313 (TRI reporting)</b>
Not subject to threshold reporting requirements.

### 15.2. International regulations

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).

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### 15.3. US State regulations

#### **US. Massachusetts RTK - Substance List**

No components are subject to the Massachusetts Right to Know Act.

#### **US. New Jersey Worker and Community Right-to-Know Act**

No components are subject to the US. New Jersey Worker and Community Right-to-Know Act

#### **US. Pennsylvania Worker and Community Right-to-Know Law**

No components are subject to the US. Pennsylvania Worker and Community Right-to-Know Law

#### **US. California Proposition 65**

This product does not contain any chemicals known to the State of California to cause cancer birth defects or any other reproductive harm.

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## SECTION 16: Other information

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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.