Transport Cartridge for Tissue-Tek® AutoWrite® Slide Printer and Cassette Printer

Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)
Issue date: 12/01/2008
Revision date: 12/16/2024 Version: E

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Product name	:	Transport Cartridge for Tissue-Tek® AutoWrite® Slide Printer and Cassette Printer
Product code	:	AP060342869

1.2. Recommended use and restrictions on use

For use with Tissue-Tek® AutoWrite® Slide and Cassette Printers

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 classified.

2.2. GHS Label elements, including precautionary statements

GHS US labeling - The mixture does not meet the criteria for classification.

Precautionary statement

Prevention - Observe good industrial hygiene practices.
Response - Wash hands after handling.
Storage - Store away from incompatible materials.
Disposal - Dispose of waste and residues in accordance with local authority requirements.

2.3. Other hazards which do not result in classification

None known.

2.4. Unknown acute toxicity (GHS US)

None

SECTION 3: Composition/Information on ingredients

3.1. Substances

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move to fresh air. Call a physician if symptoms develop or persist.

First-aid measures after skin contact : Wash off with soap and water. Get medical attention if irritation develops and persists.

First-aid measures after eye contact : Rinse with water. Get medical attention if irritation develops and persists.

First-aid measures after ingestion : Rinse mouth. Get medical attention if symptoms occur.

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

Direct contact with eyes may cause temporary irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2)

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire: During fire, gases hazardous to health may be formed.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Move containers from fire area if you can do so without risk.
Use standard firefighting procedures and consider the hazards of other involved materials.
No unusual fire or explosion hazards noted.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Keep unnecessary personnel away. High risk of slipping due to leakage or spillage of the product.

6.1.2. For emergency responders

Protective equipment : For personal protection, see section 8 of the SDS.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop the flow of material, if this is without risk. Pick up cartridges mechanically. Absorb liquid leakage in vermiculite, dry sand or earth and place into containers. Flush area with water. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Other information : Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

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 : Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).

8.2. Appropriate engineering controls

Appropriate engineering controls : 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.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Not normally needed. If prolonged or repeated contact is likely, suitable protective gloves are recommended.

Eye protection:

Not normally needed. If contact is likely, safety glasses with side shields are recommended.

Skin and body protection:

No specific recommendations. Wear suitable protective clothing. Wear appropriate thermal protective clothing, when necessary.

Respiratory protection:

Not normally needed. Wear a NIOSH-approved (or equivalent) respirator as needed.

General hygiene considerations:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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	:	Odorless.
Odor threshold	:	Not available.
pH	:	Not available.
Melting point	:	Not available.
Freezing point	:	Not available.
Boiling point	:	525.2 - 552.2 °F (274 - 289 °C)
Flash point	:	> 248.0 °F (> 120.0 °C)
Relative evaporation rate (butyl acetate=1)	:	Not available.
Flammability	:	Flammability limit – lower 0.6 % v/v Flammability limit – upper 4.7 % v/v
Vapor pressure	:	Not available.
Relative vapor density at 20°C	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Partition coefficient n-octanol/water (Log Pow)	:	Not available.
Auto-ignition temperature	:	> 392 °F (> 200 °C)
Decomposition temperature	:	Not available.
Viscosity, kinematic	:	Not available.
Viscosity, dynamic	:	Not available.
Explosion limits	:	Not explosive.
Explosive properties	:	Not explosive.
Oxidizing properties	:	Not oxidizing

9.2. Other information

None

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Material is stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Contact with incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Expected to be a low ingestion hazard.
Acute toxicity (dermal)	:	No adverse effects due to skin contact are expected.
Acute toxicity (inhalation)	:	No adverse effects due to inhalation are expected.
Skin corrosion/irritation	:	Prolonged skin contact may cause temporary irritation.

Serious eye damage/irritation	:	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	:	Not a respiratory sensitizer. This product is not expected to cause skin sensitization.
Germ cell mutagenicity	:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	:	This product is not expected to cause reproductive or developmental effects.
STOT-single exposure	:	Not classified.
STOT-repeated exposure	:	Not classified.
Aspiration hazard	:	Not an aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and degradability

No data is available on the degradability of this product.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

14.1. UN number

Not regulated as dangerous goods.

14.2. UN proper shipping name

Proper Shipping Name (DOT)	:	Not regulated as dangerous goods.
Proper Shipping Name (IMDG)	:	Not regulated as dangerous goods.
Proper Shipping Name (IATA)	:	Not regulated as dangerous goods.

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT)	:	Not regulated as dangerous goods.

IMDG

Transport hazard class(es) (IMDG) : Not regulated as dangerous goods.

IATA

Transport hazard class(es) (IATA) : Not regulated as dangerous goods.

14.4. Packing group

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

14.5. Environmental hazards

Other information : Not regulated as dangerous goods.

14.6. Special precautions for user

DOT

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

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

Not established

SECTION 15: Regulatory information

15.1. US Federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA) **Hazard categories** Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely hazardous substance	Not listed.
SARA 311/312 Hazardous chemical	No
SARA 313 (TRI reporting)	Not regulated.

15.2. US State regulations

US. Massachusetts RTK - Substance List

Not regulated.

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

Not listed.

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

Not listed.

US. Rhode Island RTK

Not regulated.

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.