



MATERIAL SAFETY DATA SHEET

(In accordance with ISA 11014-1 Standard)

Product Name: Tissue-Tek[®] Microtome Lubrication Kit

Revision Date: 2008-12-01

1. Identification of the Substance

Product Name: Tissue-Tek[®] Microtome Lubrication Kit – (Product Code #4556)

Manufactured For: Sakura Finetek USA, Inc.
Torrance, CA 90501 USA
Tel: 310 972-7800

Emergency Telephone Number:
800-424-9300 (Chemtrec)

2. Composition/Data on Components

Chemical Ingredients: Proprietary synthetic organic

3. Hazardous Identification

NFPA Hazard Rating		NFPA Hazard Rating Scale	
Health:	1	Insignificant:	0
Flammability:	1	Slight:	1
Reactivity:	0	Moderate:	2
		High:	3
		Extreme:	4

Primary Entry Routes: Skin and eye contact

Target Organs: Irritation of skin and eyes

Carcinogenicity: IARC, NTP, and OSHA do not list chemical ingredients as a carcinogen

4. First Aid Measures

Ingestion:

1. Component A or B: Get medical attention. Do not induce vomiting.
2. Component G: If the patient is conscious, wash out mouth with water and seek medical attention. Unconscious patients should be placed on their left side with their head down. Do not induce vomiting. Seek immediate medical attention.

Inhalation: The patient should be transported away from exposure and brought to fresh air. If necessary, administer artificial respiration, keep warm and quiet. Seek immediate medical attention.

Eye Contact: Flush eyes immediately with water for 10 to 15 minutes with eyes open and eyelids raised. Transport to hospital for further medical attention.

Skin Contact: Contaminated clothing should be removed immediately. The affected body areas should be flushed with a solution of soap and water for a period of approximately 15 minutes. Seek medical attention if irritation develops.

5. Fire Fighting Measures

Flash Point: Greater than 450° F

Explosive Limit: N/A

Extinguishing Methods: Water fog, regular foam, dry chemicals, or carbon dioxide

Fire Fighting Procedures: Wear self-contained breathing apparatus with full body protection; treat as an oil fire.

Hazardous Decomposition Products: Cox, Sox, and Asphyxiants

6. Accidental Release Measures

Spills: Contain spill. Treat as an oil spill. Absorb using suitable media.

7. Handling and Storage

Store in a cool, well-ventilated area. All electrical equipment in storage and/or handling areas should be installed in accordance with applicable requirements of the National Electrical Code (NEC). Avoid contact with eyes, skin, and clothing. Avoid breathing mists.

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8. Exposure Controls/Personal Protection

Respiratory Protection: Not normally required. General mechanical or local exhaust should be used to maintain low exposure levels. Avoid prolonged periods of directly breathing vapors. In absence of proper environmental controls, the use of a NIOSH/OSHA respirator is recommended. Respirator use should comply with OSHA 29 CFR 1910.134.

Protective Equipment: Use appropriate resistant gloves, chemical splash goggles, and normal laboratory work clothing covering arms and legs.

9. Physical and Chemical Properties

	<u>Component AB</u>	<u>Component G</u>
Boiling Point:	> 450° F	> 660° F
Specific Gravity:	Less than 1	Less than 1
Vapor Density (air =1):	> 1	Not volatile
Solubility in Water:	Nil	Negligible
Vapor Pressure:	ND	Not volatile
Appearance:	Brown liquid	Tan solid
Flash Point:	450° F	> 450° F

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Avoid contact with strong oxidizing agents

11. Toxicological Information

Topical Effects

Skin: Over exposure may cause skin irritation, redness, and burning. Pre-existing skin conditions could be aggravated. Absorption through skin is unlikely.

Eyes: Depending on the quantity that comes in contact with an eye, injuries sustained may range from mild irritation to redness and burning.

Systemic Effects

Ingestion: Symptoms may include stomach irritation, nausea, vomiting, and diarrhea.

Inhalation: Vapors can cause irritation of nasal and respiratory passages.

12. Ecological Information

Ecological effects of this mixture have not been determined.

13. Advice on Disposal

Disposal Procedures: Dispose of in accordance with all applicable local, state, and federal regulations.

14. Transport Information

DOT Shipping Number _____ None Assigned

DOT Hazard Classification _____ None Assigned

15. Regulatory Information

RCRA Hazardous Waste (40 CFR 261.33): Not listed

CERCLA Hazardous Substance (40 CFR 302.4): Not listed

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

16. Other Information

This Material Safety Data Sheet has been furnished on request. A revised Material Safety Data Sheet will be furnished only if requested, also in case of specification changes. The above information, which is accurate to the best of our knowledge and belief, describes the safety aspects of our product but does not warrant any product properties. The company gives no warranty as to the accuracy or completeness of such information.

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