

# MATERIAL SAFETY DATA SHEET

(In accordance with ISO 11014:2009 Standard)

Original Preparation Date: 12/01/08

MSDS#: 0000094-03 Rev: D

Revision Date: 09/17/12

## **1. Chemical Product and Company Identification**

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

**Synonym(s):** N/A

**Recommended Uses:** N/A

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

**Emergency Telephone Number:**  
**800-424-9300 (Chemtree)**

## **2. Hazards Identification**

### **EMERGENCY OVERVIEW**

#### **DANGER:**

**Health Effects:**

**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.

#### **HMIS Rating**

Health: 1  
Flammability: 1  
Reactivity: 0

#### **HMIS Rating Scale**

Minimal: 0  
Slight: 1  
Moderate: 2  
High: 3  
Severe: 4

HMIS Rating Notes:

Protection = See section 8.

## **3. Composition/Information on Ingredients**

**Chemical Ingredients:** Proprietary synthetic organic

## **4. First-Aid Measures**

**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.

**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.

**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.

#### **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.

## **5. Fire-Fighting Measures**

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

**Fire/Explosion Hazards:** N/A

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

**Sensitivity to Static Discharge:** N/A

**Hazardous Decomposition Products:** Cox, Sox, and Asphyxiants

**Flash Point and Method:** Greater than 450° F

**Flammable Limits:** N/A

**Auto Ignition Temperature:** N/A

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### **6. Accidental Release Measures**

**Personal Precautions:** N/A

**Protective Equipment:** N/A

**Emergency Procedures:** N/A

**Environmental Precautions:** N/A

**Methods and Materials for Containment:** N/A

**Methods and Materials for Cleaning Up:** Contain spill. Treat as an oil spill. Absorb using suitable media.

### **7. Handling and Storage**

**Handling:** 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.

**Storage:** Store in a cool, well-ventilated area.

### **8. Exposure Controls and Personal Protection**

**Permissible concentration:** N/A

**Engineering Controls:** N/A

#### **PERSONAL PROTECTIVE EQUIPMENT**

**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.

**Hand Protection:** Use appropriate resistant gloves.

**Eye Protection:** Chemical splash goggles

**Skin and Body Protection:** Normal laboratory work clothing covering arms and legs.

**Protective Clothing:** Normal laboratory work clothing covering arms and legs.

### **9. Physical and Chemical Properties**

	<b>Component A or B</b>	<b>Component G</b>
<b>Appearance:</b>	Brown liquid	Tan solid
<b>Odor:</b>	N/A	N/A
<b>pH:</b>	N/A	N/A
<b>Melting Point:</b>	N/A	N/A
<b>Freezing Point:</b>	N/A	N/A
<b>Boiling Point:</b>	>450	>660
<b>Flash Point:</b>	450° F	>450° F
<b>Vapor Pressure:</b>	N/D	Not volatile
<b>Vapor Density:</b>	>1	Not volatile
<b>Density / Relative Density:</b>	N/A	N/A
<b>Solubility:</b>	Nil	Negligible
<b>n-Octano/Water Partition Coefficient:</b>	N/A	N/A
<b>Auto-Ignition Temperature:</b>	N/A	N/A
<b>Decomposition Temperature:</b>	N/A	N/A
<b>Odor Threshold:</b>	N/A	N/A
<b>Evaporation Rate:</b>	N/A	N/A
<b>Flammability:</b>	N/A	N/A
<b>Viscosity:</b>	N/A	N/A
<b>Specific Gravity</b>	Less than 1	Less than 1

### **10. Stability and Reactivity**

**Conditions to Avoid:** N/A

**Incompatible Materials:** Avoid contact with strong oxidizing agents

**Stability:** Stable

**Hazardous Decomposition Products:** Will not occur

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### **11. Toxicological Information**

**Acute Toxicity:** N/A

**Skin Irritation/Corrosion(Burning):** Over exposure may cause skin irritation, redness, and burning. Pre-existing skin conditions could be aggravated. Absorption through skin is unlikely.

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

**Respiratory or Skin Sensitization:** N/A

**Reproductive Cell Mutagenicity:** N/A

**Carcinogenicity:** N/A

**Reproductive Toxicity:** N/A

**Specific Target Organ Toxicity – single exposure:** N/A

**Specific Target Organ Toxicity – repeated exposure:** N/A

**Aspiration (Inhalation) Hazard:** N/A

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

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

### **12. Ecological Information**

**Ecotoxicity:** Ecological effects of this mixture have not been determined.

**Persistence and Degradability:** N/A

**Bioaccumulative Potential:** N/A

**Mobility in Soil:** N/A

### **13. Disposal Considerations**

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

### **14. Transport Information**

**UN Number:** N/A

**UN Proper Shipping Name:** N/A

**UN Classification:** N/A

**Marine Pollutant (Y/N):** N/A

**OTHER SHIPPING INFORMATION:** N/A

**Markings:** N/A

**Hazardous Substance/RQ:** N/A

**SPECIAL SHIPPING NOTES:** N/A

**IMDG:** N/A

**IATA:** N/A

**DOT Shipping Number:** None Assigned

**DOT Hazard Classification:** None Assigned

### **15. Regulatory Information**

**UNITED STATES**

**SARA Title III (Superfund Amendments and Reauthorization Act):** N/A

**SARA Title III Sect. 302 Extremely Hazardous Substances (40 CFR 355):** Not Listed

**SARA Title III Sect. 313 Reportable Ingredients (40 CFR 372.65):** Not Listed

**CERCLA (Comprehensive Environmental Response Compensation and Liability Act):** Not Listed

**STATE REGULATIONS**

**Proposition 65:** N/A

### **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.