



# MATERIAL SAFETY DATA SHEET

(In accordance with ISO 11014: 2009 Standard)

Original Preparation Date: 12/01/08

MSDS#: 0000582-03 Rev: D

Revision Date: 09/17/12

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

**Product Name:** Tissue-Tek<sup>®</sup> O.C.T. Compound (product code #4583)  
(NOTE: O.C.T. stands for Optimal Cutting Temperature)

**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 (Chemtrec)**

## **2. Hazards Identification**

### **EMERGENCY OVERVIEW**

**DANGER:** None determined.

**Health Effects:** None determined.

### **HMIS Rating**

Health: 0  
Flammability: 0  
Reactivity: 0  
Protection : N/A

### **HMIS Rating Scale**

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

HMIS Rating Notes: N/A

Protection = N/A

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

**Chemical Ingredients:** 10.24 % polyvinyl alcohol  
4.26 % polyethylene glycol  
85.50 % non-reactive ingredient

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

**Inhalation:** The patient should be transported away from exposure and brought to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Transport to the hospital for care.

**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 at least 15 minutes with eyes open and eyelids raised. Transport to hospital for further medical attention.

**Ingestion:** If the patient is conscious, wash out mouth with water and have the patient drink a glass of water or milk to dilute the material. Transport to the hospital for care.

## **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

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

**Hazardous Decomposition Products:** CO<sub>x</sub> 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. Absorb using suitable media.

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

**Handling:** Avoid contact with eyes, skin, and clothing. Avoid breathing mists.

**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).

### **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:** N/A

**Eye Protection:** N/A

**Skin and Body Protection:** N/A

**Protective Clothing:** Use appropriate resistant gloves, chemical splash goggles, and normal laboratory work clothing.

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

**Appearance:** Viscous, clear to pale yellow

**Odor:** slight alcohol odor

**pH:** N/A

**Melting Point:** N/A

**Freezing Point:** N/A

**Boiling Point:** ND

**Flash Point:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** ND

**Density / Relative Density:** N/A

**Solubility:** Soluble

**n-Octano/Water Partition Coefficient:** N/A

**Auto-Ignition Temperature:** N/A

**Decomposition Temperature:** N/A

**Odor Threshold:** N/A

**Evaporation Rate:** N/A

**Flammability:** N/A

**Viscosity:** N/A

### **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

### **11. Toxicological Information**

**Acute Toxicity:** N/A

**Skin Irritation/Corrosion(Burning):** Prolonged contact may cause mild discomfort.

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**Eye Damage/Irritation:** May cause mild irritation.

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

**Reproductive Cell Mutagenicity:** N/A

**Carcinogenicity:** Components are not listed as a carcinogen or suspected carcinogens.

**Reproductive Toxicity:** N/A

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

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

**Aspiration (Inhalation) Hazard:** Inhalation of mists may cause minor respiratory irritation.

**Ingestion:** Swallowing may cause gastrointestinal irritation.

**Chronic Effects of Overexposure:** No chronic effects of overexposure are currently known.

**Medical Conditions Aggravated by Exposure:** None currently known.

### **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:** N/A

**DOT Hazard Classification:** N/A

### **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

**RCRA Hazardous Waste (40 CFR 261.33):** 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.