



# MATERIAL SAFETY DATA SHEET

(In accordance with ISO 11014-1 Standard)

Product Name: Tissue-Tek® O.C.T. Compound

Revision Date: 10-31-2005

## 1. Identification of the Substance

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

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

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

## 3. Hazards Identification

**Man:** None determined.

**Environment:** None determined.

### **HMIS Rating**

Health: 0  
Flammability: 0  
Reactivity: 0

### **HMIS Rating Scale**

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

## 4. First Aid Measures

**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.

**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.

**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.

**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

**Hazardous Decomposition Products:** CO<sub>x</sub> and Asphyxiants

## 6. Accidental Release Measures

**Spills:** Contain 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.

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

**Appearance and Odor:** Viscous, clear to pale yellow, slight alcohol odor

**Vapor Pressure:** ND

**Boiling Point:** ND

**Vapor Density (air=1):** ND

**Solubility in water:** Soluble

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

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Incompatibility:** Avoid contact with strong oxidizing agents

### **11. Toxicological Information**

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

**Carcinogen or Suspected Carcinogens:** Components are not listed as a carcinogen or suspected carcinogens.

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

*Acute Exposure Effects:*

**Inhalation:** Inhalation of mists may cause minor respiratory irritation.

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

**Skin Contact:** Prolonged contact may cause mild discomfort.

**Eye Contact:** May cause mild irritation.

### **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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