



# MATERIAL SAFETY DATA SHEET

(In accordance with ISO 11014-1 Standard)

Product Name: Tissue-Tek<sup>®</sup> Glas<sup>™</sup> Mounting Medium

Revision Date: 2008-12-01

## 1. Identification of the Substance

**Product Name:** Tissue-Tek<sup>®</sup> Glas<sup>™</sup> Mounting Medium – (product code #6419)

**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 Name(s):** XYLENE; TRICRESYL PHOSPHATE; ELVACITE

**Chemical Family:** AROMATIC HYDROCARBON; ORGANOPHOSPHATE; N/A

**Formula:** N/A

CAS#	Component	Amount	Exposure Limits/Tox Data
1330-20-7	Xylene		OSHA PEL 100PPM (TWA), ACGIH TLV: 100PPM (TWA) ACGIH 15 MINUTE STEL 150PPM EYE-RABBIT 5 MG/24 HRS SEVERE IRRITATION ORAL-RAT LD50: 4300MG/KG; INHALATION-RAT LC50: 5000PPM/4HR DERMAL-RABBIT LD50: 20000MG/KG; SUBCUT-RAT LD50: 1700MG/KG I/P.-MOUSE LD50: 1548MG/KG; AN EXPERIMENTAL TERATOGEN. EXPERIMENTAL REPRODUCTIVE EFFECTS. MUTAGENIC DATA.
100-41-4	Ethyl Benzene		OSHA PEL/TWA: 100PPM OSHA STEL: 125PPM
1330-78-5	Tricresyl Phosphate		0.1 MG/M3 OSHA TWA (SKIN) AND ACGIH TWA (SKIN) 500 MG/24 HRS EYE-RABBIT MILD IRRITATION 70 MG/KG/14 DAY ORAL-WOMAN TDLO; 5190 MG/KG ORAL RAT LD50 3900 MG/KG ORAL-MOUSE LD50; 1500 MG/KG SKIN-CAT LD50 REPRODUCTIVE EFFECTS DATA (RTECS), CARCINOGEN STATUS: NONE.
28262-63-7	Elvacite 2013 (Poly (Methyl Methacrylate/n- Butyl Methacrylate)		NO OCCUPATIONAL EXPOSURE LIMITS ESTABLISHED BY OSHA, ACGIH OR NIOSH. NOT HAZARDOUS BY 29CFR1910.1200

## 3. Hazards Identification

**Man:** Flammable! Product is harmful if swallowed. Contact may cause irritation.

**Environment:** This product contains 50% non-ionic surfactant.

### HMIS Rating

Health: 2  
Flammability: 3  
Reactivity: 0

### HMIS Rating Scale

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

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

#### **First Aid Procedures**

**Inhalation:** Move person to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

**Eye Contact:** Flush with large amounts of water for at least 15 minutes while lifting upper and lower lids. Get medical attention immediately.

**Skin Contact:** Remove contaminated clothing and shoes. Wash with soap and large amounts of water for at least 15 minutes. Get medical attention immediately.

**Ingestion:** Do not induce vomiting! Do not give liquids! Get medical attention immediately!

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

**Flash Point:** 79°F

**Flammable Limits in Air (% by volume):** Lower 1.1 Upper 6.6

**Extinguishing Media:** Dry Chemical, Carbon Dioxide, Water Spray, Alcohol Foam

**Special Fire Fighting Procedures:** Do not use a direct stream of water, product will float and can be reignited on surface of water. Static electricity may accumulate and create fire hazard. Ground all equipment. Wear self-contained breathing apparatus and protective clothing.

**Unusual Fire and Explosion Hazards:** This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

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

**Steps to be Taken in Case Material is Released or Spilled:** Shut off and eliminate all ignition sources. Ventilate confined areas. Pick up spill with absorbent vermiculite and containerize for proper disposal.

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

Store in a cool, dry, well-ventilated area. Protect against physical damage. Keep container tightly closed when not in use. Keep away from heat, sparks, flame, or strong oxidants.

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

**Ventilation:** Use only with ventilation sufficient to prevent exceeding recommended exposure limits. Provide local and general ventilation.

**Respiratory Protection:** Use a MSHA/NIOSH approved full facepiece respirator with an organic vapor cartridge in concentrations above established TLVs.

**Protection Gloves:** Use chemical resistant gloves.

**Eye Protection:** Use splash goggles or face shield.

**Other Protective Equipment/Clothing:** Eye wash station, safety shower, protective clothing

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

**Note:** The quantitative data below is for xylene.

**Appearance and Odor:** Clear, viscous fluid, benzene-like odor

**Boiling Point:** 278-290°F

**Specific Gravity:** 0.87

**Vapor Pressure (MM Hg):** 9 @ 25°C

**Volatile By Volume:** 100

**Vapor Density (Air=1):** 3.7

**Evaporation Rate (n-Butyl Acetate=1):** Approx. 0.8

**Solubility in water:** No

**Reactivity in water:** No

**Auto Ignition Temp:** N/A

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10. Stability and Reactivity

Stability: Stable (Conditions to Avoid: Heat Combustion, Open Flame)

Materials To Avoid: Oxidizers

Hazardous Decomposition Products: Toxic oxides of carbon and phosphorus and unidentified organic compounds (asphyxiants)

Hazardous Polymerization: N/A (Conditions to Avoid: N/A)

11. Toxicological Information

Inhalation: Irritation of the eyes, nose, and throat. May also cause headaches, nausea, vomiting, tiredness, stomach upset. High levels can cause dizziness, lightheadedness, unconsciousness, fatality. Chronic: May damage developing fetus, damage bone marrow, liver, kidneys.

Eye Contact: Irritation of the eyes. Temporary corneal effects as well as some conjunctival irritation. Vapors can damage the surfaces of the eyes.

Skin Contact: Prolonged skin contact may cause drying and cracking of the skin.

Ingestion: Moderately toxic. Pulmonary aspiration hazard if swallowed and vomiting occurs.

Conditions Aggravated by Exposure: Skin contact may aggravate an existing dermatitis.

12. Ecological Information

None

13. Advice on Disposal

Comply with local, state and federal regulations. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.

14. Transport Information

Proper Shipping Name: Xylenes

Primary Hazard Class/Division: 3

Identification Number: UN 1307

Packing Group: III

OTHER SHIPPING INFORMATION:

RQ: 100 lbs

15. Regulatory Information

Hazard Categories for SARA

Section 311/312 Reporting

Table with 7 columns: Acute, Chronic, Fire, Pressure, Reactive, SARA Sec.313, CERCLA, RCRA. Rows include XYLENE, ETHYLBENZENE, TRICRESYL PHOSPHATE, ELVASITE.

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### **SARA Section 302 EHS RQ:**

Reportable Quantity of Extremely Hazardous Substance, listed at 40 CRF 355.

### **SARA Section 302 EHS TPQ:**

Threshold Planning Quantity of Extremely Hazardous substance. An asterisk (\*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

### **SARA Section 313 Chemicals:**

Toxic Substances subject to annual release reporting requirements listed at 40 CRF 372.65.

### **CERCLA Sec.103:**

Comprehensive Environmental Response, Compensation and Liability Act (Superfund Releases to air, land, or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4.

**RCRA:** Resource Conservation and Reclamation Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CRF 261.33.

## **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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