

# SAFETY DATA SHEET

(In accordance with ISO 11014:2009 Standard)

SDS#: 0002009-03 Rev: D  
Original Preparation Date: 12/01/08

Revision Date: 09/20/2012

## 1. Chemical Product and Company Identification

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

**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:** Flammable!

**Health Effects:** 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  
Protection : N/A

### HMIS Rating Scale

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

HMIS Rating Notes:

Protection = N/A

## 3. Composition/Information on Ingredients

Hazardous Component Specific Chemical Identity	CAS #	Amount/ Exposure Limits/ Toxic Data
Xylene	1330-20-7	OSHA PEL 100 PPM (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.
Ethyl Benzene	100-41-4	OSHA PEL/TWA: 100PPM OSHA STEL: 125PPM
Tricresyl Phosphate	1330-78-5	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.
Elvacite 2013 Poly (Methyl Methacrylate/n-Butyl Methacrylate)	28262-63-7	NO OCCUPATIONAL EXPOSURE LIMITS ESTABLISHED BY OSHA, ACGIH OR NIOSH. NOT HAZARDOUS BY 29CFR1910.1200

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

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

## SAFETY DATA SHEET

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Rev Date: 09/20/12

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

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

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

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

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

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

**Fire/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.

**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.

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

**Hazardous Decomposition Products:** N/A

**Flash Point and Method:** 79°F

**Flammable Limits:** Lower 1.1 Upper 6.6

**Auto Ignition Temperature:** N/A

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

**Personal Precautions:** Shut off and eliminate all ignition sources.

**Protective Equipment:** N/A

**Emergency Procedures:** Ventilate confined areas.

**Environmental Precautions:** N/A

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

**Methods and Materials for Cleaning Up:** Pick up spill with absorbent vermiculite and containerize for proper disposal.

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

**Handling:** N/A

**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 and Personal Protection**

**Permissible concentration:** N/A

**Engineering Controls:** N/A

#### **PERSONAL PROTECTIVE EQUIPMENT**

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

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

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

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

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

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

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

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

**Appearance:** Clear, viscous fluid

**Odor:** benzene-like odor

**pH:** N/A

**Melting Point:** N/A

**Freezing Point:** N/A

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**Boiling Point:** 278-290°F

**Flash Point:** N/A

**Vapor Pressure (MM Hg):** 9 @ 25°C

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

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

**Solubility:** No

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

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

**Decomposition Temperature:** N/A

**Odor Threshold:** N/A

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

**Flammability:** N/A

**Viscosity:** N/A

**Specific Gravity:** 0.87

**Volatile By Volume:** 100

**Reactivity in water:** No

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

**Conditions to Avoid:** Heat Combustion, Open Flame

**Incompatible Materials:** Oxidizers

**Stability:** Stable

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

**Hazardous Polymerization:** N/A

### **11. Toxicological Information**

**Acute Toxicity:** N/A

**Skin Irritation/Corrosion(Burning):** Prolonged skin contact may cause drying and cracking of the skin.

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

**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:** Irritation of the eyes, nose, and throat. May also cause headaches, nausea, vomiting, tiredness, and stomach upset. High levels can cause dizziness, lightheadedness, unconsciousness, fatality.

**Chronic:** May damage developing fetus, damage bone marrow, liver, kidneys.

**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**

**Ecotoxicity:** N/A

**Persistence and Degradability:** N/A

**Bioaccumulative Potential:** N/A

**Mobility in Soil:** N/A

### **13. Disposal Considerations**

**Disposal Method:** 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.

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**14. Transport Information****UN Number:** UN 1307**UN Proper Shipping Name:** Xylenes**UN Classification:** N/A**Marine Pollutant (Y/N):** N/A**Primary Hazard Class/Division:** 3**Packing Group:** III**OTHER SHIPPING INFORMATION:** N/A**Markings:** N/A**Hazardous Substance/RQ:** 100 lbs**SPECIAL SHIPPING NOTES:** N/A**IMDG:** N/A**IATA:** N/A**15. Regulatory Information**

Hazard Categories for SARA, Section 311/312 Reporting

**Acute:** Y**Chronic:** Y**Fire:** Y**Pressure:** N**Reactive:** N

Product or Components of Product:	SARA Sec.302 RQ	EHS TPQ	SARA Sec.313 Chemicals Name List	Chemical Category	CERCLA Sec.103 RQ lbs	RCRA Sec.261.33 261.33
Xylene #13330207	No	No	Yes	No	Yes	Yes
Ethlybenzene #100414	No	No	Yes	No	Yes	No
Tricresyl Phosphate #1330785	No	No	No	No	No	No
Elvasite # 28262637	No	No	No	No	No	No

**UNITED STATES****SARA Title III (Superfund Amendments and Reauthorization Act):** N/A**SARA Title III Sect. 302 Extremely Hazardous Substances (40 CFR 355):** Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.**SARA Title III Sect. 313 Reportable Ingredients (40 CFR 372.65):** Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.**CERCLA (Comprehensive Environmental Response Compensation and Liability Act):** 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.**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.

**RCRA:** Resource Conservation and Reclamation Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33.**STATE REGULATIONS****Proposition 65:** N/A**16. Other Information**

This Safety Data Sheet has been furnished on request. A revised 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.