



## MATERIAL SAFETY DATA SHEET

**Section 1****Product Identification**Product Name: **TECHTREX™**

Date Prepared: 5/6/2004

Part Number: 72000

Formula: With PFA

**Manufacturer / Supplier:**

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Chemical Family: Polyetheretherketone

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**Emergency Phone:**

Chemtrec  
1-800-424-9300  
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**Section 2****Composition / Data On Components**

Component	CAS#	% of Weight	OSHA PEL	ACGIH TLV	Sara 313
<b>Polyetheretherketone</b> No TLV or OSHA PEL assigned to this resin. Minimise exposure in accordance with good hygiene practice	(CAS 29658-26-2)	@35	N/A	N/A	N/A
<b>1,2,4 - TRIMETHYL BENZENE</b>	95-63-6	TRACE	25.0 PPM	25.0 PPM	Yes

Ingredients not precisely identified are proprietary or non-hazardous

**Section 3****Hazards Identification**

**Appearance and Odor:** Gray liquid with minimal odor

**Hazard Description:** This product contains Tetraflouroethylene which is known to the State of California to cause cancer

**Section 4****First Aid Measures****After EYE Contact:**

Immediately flush with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel

**After SKIN Contact:** Wash material off the skin with plenty of soap and water. If redness, itching or a burning sensation develops, seek medical attention. For thermal burns, cool quickly with water and get medical attention. Do not peel off solidified material. Remove contaminated clothing without delay. Do not reuse clothing without laundering.

**After INHALATION:**

Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel. Administer oxygen if there is difficulty in breathing. Obtain medical attention immediately if necessary.

**After SWALLOWING:**

Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person)

**Section 5****Fire Fighting Measures**

**Flash Point:** 141-200°F  
**Method:** Closed Cup

**Flammable Limits LEL-:**  
N/A

**Flammable Limits UEL-:**  
N/A

**Stability:** See Section 10  
Stable under normal conditions

**Extinguishing Media:**

Water, fog, foam, carbon dioxide, dry chemical, halogenated agents

**Special Fire Fighting Procedures:**

Self-contained breathing apparatus with full face piece and protective clothing

**Unusual Fire And Explosion Hazards:**

This product contains a material which when heated above the flash point. Emits vapors which, when mixed with air, will burn if an ignition source is present. Fine mist or spray could ignite at temperatures below the flashpoint.

**Section 6****Accidental Release Measures**

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**Steps to be taken in case material is released or spilled:**

- Remove sources of ignition.
- Warn other workers of spill.
- Wear protective equipment
  - NIOSH Approved Respirator
  - Gloves
  - Safety Glasses
- Do not allow material to be released into the environment without proper governmental permits

**Measures for cleaning / collecting:** Wear skin, respiratory and eye protection during clean-up. Sweep up and recover or mix material with moist absorbent and shovel into waste container

**Section 7****Handling and Storage**

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**Handling:** Wear skin, respiratory and eye protection

**Storage:** Do not allow to freeze. Keep containers tightly sealed.

**Section 8****Exposure Controls and Personal Protection**

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**Engineering Controls:** Exhaust ventilation. Showers, Eyewash stations

**Respiratory Protection:** Use NIOSH approved respirator if TWA/TLV limits are exceeded

**Protective Gloves:** Impervious gloves.

**Eye Protection:** Safety glasses with side shields

**Other Protective Equipment:** Impervious apron.

**Ventilation:** Local Exhaust: Use To Maintain Below TWA Limits

**Mechanical:** Use Non-Sparking Equipment

**Work / Hygienic Practices:** wash thoroughly after handling product and before eating, drinking or smoking

**Section 9****Physical And Chemical Properties**

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**Appearance and Odor:** Gray with minimal to no odor

**Boiling Point:** Not Applicable

**Vapor Density (Air = 1):** .60

**Melting Point:** 640F

**Solubility in Water:** Appreciable

**Reactivity in Water:** None

**V.O.C.'s (lbs/gal) as packaged:** .08

**SECTION 10****STABILITY AND REACTIVITY**

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**Stability:** Stable under normal conditions

**Incompatibility (Materials to Avoid):** Dissolved by concentrated sulphuric acid

**Hazardous Decomposition Products:** Carbon Dioxide/Carbon Monoxide

**Hazardous Polymerization:** Will not occur

## **Section 11**

### **Toxicological Information**

WARNING: Vapors and spray mist harmful if inhaled. May cause central nervous system effects such as dizziness, headache or nausea. May cause nose, throat, eye and skin irritation. Can be absorbed by the skin.

**Effects on Eyes:** May cause irritation or burning of the eyes.

**Effects on Skin:** Repeated or prolonged liquid contact may cause skin irritation or discomfort and dermatitis.

**Effects from Inhalation:** May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated or prolonged overexposure to solvents with permanent brain and nervous system damage.

**Effects from Swallowing:** May result in gastrointestinal distress.

## **Section 12**

### **Ecological Information**

**General Comments:** Do not allow material to be released into the environment without proper governmental permits

## **Section 13**

### **Disposal Considerations**

**Waste Disposal Method:** Disposal should be made in accordance with federal, state and local regulations.

## **Section 14**

### **Transportation Information**

**Hazardous for Shipping:** Non hazardous

**DOT Shipping Name:** Not Regulated

**Technical Name:** Polyetheretherketone

**DOT Hazard Class:** Not Regulated

**DOT Labels:** Not Regulated

**UN Number:** Not Regulated

**Placards:** Not Regulated

**Packing Group:** Not Regulated

**Air (IATA):** Not Regulated

**Sea (IMDG):** Not Regulated

## **Section 15**

### **Regulations**

**Product Related Hazard Information:** No other adverse clinical effects are known to be associated with exposures to this material

**Hazard Symbols:** None

**Risk Phrases:** N/A

**Safety Phrases:** N/A

**National Regulations:**

**Information about Limitation or Use:**

**Other Regulations, Limitations, and Prohibitive Regulations:**

**TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:** All ingredients are on the TSCA Chemical Substance Inventory

**CEPA (Canadian Environmental Protection Act):** Polyetheretherketone is on the Non-Domestic Substances List.

**CERCLA and SARA Regulations (40 CFR 355, 370 and 372):** This product does contain any chemicals subject to the reporting requirements of SARA Section 313.

**Other Determined Regulations:** California Proposition 65: Contains listed ingredients

**Health and Safety Executive (UK):** Occupational Exposure Limits. Guidance Note EH 40/89.

## **Section 16**

### **Other Information**

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