



MATERIAL SAFETY DATA SHEET

Section 1

Product Identification

Product Name: TECHTREX™ **Date Prepared:** 4/14/2004

Part Number: 71000 **Formula:**

Manufacturer / Supplier: **Chemical Family:** Polyetheretherketone

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Section 2

Composition / Data On Components

Component	CAS#	% of Weight	OSHA PEL	ACGIH TLV	Sara 313
Polyetheretherketone	(CAS 29658-26-2)	@35	N/A	N/A	N/A

No TLV or OSHA PEL assigned to this resin. Minimise exposure in accordance with good hygiene practice

Ingredients not precisely identified are proprietary or non-hazardous

Section 3

Hazards Identification

Appearance and Odor: Gray liquid with minimal odor

Hazard Description: Non hazardous

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: 575C	Flammable Limits LEL-:	Flammable Limits UEL-:	Stability: See Section 10 Stable under normal conditions
Method:	N/A	N/A	

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:

Product will burn, but smoke emission is low. Dust is ignitable but requires a high-temperature source of ignition and is insensitive to sparks. The minimum spark energy required for ignition of a dust cloud is as follows: Victrex® PEEK™ powder - >5000mJ, 150XF - 10-15mJ greater than 5000 mJ, 150PF - 400-500mJ, 450PF - 100-500mJ. It will not train fire, e.g. along beams etc

Section 6

Accidental Release Measures

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

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information
- See Section 13 for disposal information

Section 7

Handling and Storage

Handling: Wear skin, respiratory and eye protection

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

Section 8

Exposure Controls and Personal Protection

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

Appearance and Odor: Gray with minimal to no odor

Boiling Point: Not Applicable

Vapor Density (Air = 1): 1.3

Vapor Pressure:

Melting Point: 640F

Solubility in Water: Appreciable

Reactivity in Water: None

VOC's: 0

SECTION 10

STABILITY AND REACTIVITY

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

No toxicity information is available on this specific preparation; this material is reported to be inert under normal conditions

Effects on Eyes: No irritation is likely as a result of contact with this materials

Effects on Skin: No irritation is likely to develop following contact with human skin

Effects from Inhalation: No toxic effects are known to be associated with inhalation of dust from this material, however, mechanical irritation of upper respiratory passages may occur. Careless handling of fine powders can create dust clouds which may be inhaled, as with all powders care must be taken when handling

Effects from Swallowing: Non harmful if swallowed

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: Discarded product is not a hazardous waste under RCRA, 40 CFR 261. Empty container retains product residue. Observe all precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue and puncture of otherwise destroy empty container before disposal. Disposal should be made in accordance with federal, state and local regulations.

Section 14

Transportation Information

Hazardous for Shipping: Not Regulated

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 not contain any chemicals subject to the reporting requirements of SARA Section 313.

Other Determined Regulations: California Proposition 65: Contains no listed ingredients

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

Section 16

Other Information

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