

**TETRA Technologies, Inc.**  
**MATERIAL SAFETY DATA SHEET**



**TETRAFLEX™ 110**

**1. PRODUCT AND COMPANY IDENTIFICATION**

TETRA Technologies, Inc. 25025 I-45 North The Woodlands, TX 77380	CHEMTREC (24-Hr Emergency Response):	(800) 424-9300
	Poison Control:	(800) 222-1222
	Nonemergency Customer Service:	(281) 367-1983
Substance:	TETRAFLEX™ 110	
Synonyms:	None	
Chemical Family	Gelled polymer	
MSDS Creation Date:	04 Apr 03	
MSDS Revision Date:	04 Aug 04	

**2. COMPOSITION, INFORMATION ON INGREDIENTS**

CAS Number	Wt %	Component Name	RTECS Number
Proprietary	Proprietary	Proprietary	Proprietary

The composition information on this product is proprietary. In the event of a medical emergency, spill or fire, compositional information will be revealed to a physician, nurse, or responding emergency personnel.

**3. HAZARDS IDENTIFICATION**

NFPA Ratings (Scale 0-4):	Health – 1    Fire – 0    Reactivity – 0
Emergency Overview:	Fluid gelatinous mass (like frog eggs). May cause skin, respiratory tract, and eye irritation. Ingestion may cause nausea.
Potential Health Effects:	
Inhalation:	May cause minor irritation.
Skin Contact:	May cause minor irritation.
Eye Contact:	May cause minor irritation.
Ingestion:	May cause nausea.
Carcinogen Status:	OSHA – No    NTP – No    IARC – No

**4. FIRST AID MEASURES**

Eye Contact:	Flush eyes with large amounts of water.
Skin Contact:	Remove contaminated clothing and shoes. Flush with large amounts of water.
Inhalation:	Remove from exposure area to fresh air.
Ingestion:	Call physician and dilute or induce vomiting as directed.
Notes to Physician:	No specific antidote. Treat symptomatically and supportively.

**TETRA Technologies, Inc.**  
**MATERIAL SAFETY DATA SHEET**



**TETRAFLEX™ 110**

Page 2 of 5

**5. FIRE FIGHTING MEASURES**

Flash Point:	>200°F (93°C)
Extinguishing Media:	Regular dry chemical, carbon dioxide or foam.
Fire Fighting:	Move product from fire area if you can without risk. Use normal firefighting procedures. Avoid breathing vapors.
Fire and Explosion Hazard:	Material may burn, but does not readily ignite.
Products of Combustion:	Oxides of carbon and phosphorous.

**6. ACCIDENTAL RELEASE MEASURES**

Evacuation and Safety:	Wear appropriate protective gear for the situation. See personal protection information in Section 8.
Containment of Spill:	Absorb with sand or other non-combustible absorbent material.
Cleanup and Disposal:	Take up with sand or other non-combustible absorbent material and place in containers for disposal.

**7. HANDLING AND STORAGE**

Handling:	Observe all federal, state, and local regulations when handling this product.
Storage:	Observe all federal, state, and local regulations when storing this product.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering Controls:	Provide local exhaust ventilation system. Where there is possibility of exposure, eye wash fountain and safety shower should be provided within the immediate work area for emergency use.
Exposure Limits:	None known.
Eyes:	Wear safety glasses with splash shields or safety goggles/shield.
Body:	Wear coveralls and splash aprons. Wash contaminated clothing before reuse.
Respiratory:	Respirator not required under normal conditions.
Hands and Feet:	Wear chemical resistant, non-slip gloves and boots.

**TETRA Technologies, Inc.**  
**MATERIAL SAFETY DATA SHEET**



**TETRAFLEX™ 110**

Page 3 of 5

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Description:	Fluid gelatinous mass (like frog eggs).
Odor:	None to slight.
Boiling Point:	Not available.
Melting Point:	Not available.
Molecular Weight:	Not available.
Specific Gravity (H <sub>2</sub> O=1):	1.3058 – 1.3358
pH:	7.5 - 10
Water Solubility:	Soluble
Vapor Density (Air=1):	Not available.
Vapor Pressure:	Not available.
Viscosity:	Not available.

**10. STABILITY AND REACTIVITY**

Stability and Reactivity:	Stable under normal temperatures and pressures.
Incompatibilities:	Strong oxidizing agents.
Hazardous Decomposition:	Oxides of carbon and phosphorous.
Polymerization:	Does not occur under normal temperatures and pressures.
Conditions to Avoid:	Open flames and sparks.

**11. TOXICOLOGICAL INFORMATION**

Toxicity Data:	No data available.
Local Effects:	No data available.
Health Effects:	No data available.

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL INFORMATION**

Observe all federal, state and local regulations when disposing of this substance.

**TETRA Technologies, Inc.**  
**MATERIAL SAFETY DATA SHEET**



**TETRAFLEX™ 110**

**14. DEPARTMENT OF TRANSPORTATION (DOT) TRANSPORT INFORMATION**

Shipping Name:	Not regulated
ID Number:	Not applicable
Hazard Class or Division:	Not applicable
Packing Group:	Not applicable
Labeling Requirements:	Not applicable
Packing Authorizations:	
Exceptions:	Not applicable
Non-bulk Packing:	Not applicable
Bulk Packing:	Not applicable
Quantity Limitations:	
Passenger Aircraft or Railcar:	Not applicable
Cargo Aircraft Only:	Not applicable
Vessel Stowage Requirements:	Not applicable
Emergency Guide Number:	Not applicable

**15. REGULATORY INFORMATION**

**Workplace Classification:**

SARA Title III:	No
TSCA Status:	Yes
CERCLA:	Not regulated.
OSHA Process Safety:	Not determined.
California Proposition 65:	Not determined.
WHMIS Classification:	Not determined.

**TETRA Technologies, Inc.**  
**MATERIAL SAFETY DATA SHEET**



**TETRAFLEX™ 110**

Page 5 of 5

**16. OTHER INFORMATION**

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the users' responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

TETRA Technologies, Inc. reserves the right to refuse shipment of this product to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules and regulations. Such demonstration may require on-site inspection of any or all storage, processing, packaging and other handling systems that come in contact with it.

Customers are responsible for compliance with local, state and federal regulations that may be pertinent in the storage, application and disposal of this product.