

# TA Instruments Inc.

TA Instruments Inc.  
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## MATERIAL SAFETY DATA SHEET

FOR CHEMICAL EMERGENCY  
24 Hours per Day 7 Days per Week  
Call CHEMTREC 800-424-9300  
Outside N. America 703-527-3887 (collect)

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION:

Product Name: Fiber Frax® 550 F, J & K paper  
Date of Prep: October 28, 2011

MSDS #: 901510.001  
Revision: B

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

Vitreous Aluminosilicate Fibers				EXPOSURE LIMITS		EU LABEL
CHEMICAL INGREDIENT NAME	CAS NUMBER	EC NUMBER	% BY WT.	OSHA	ACGIH	HAZARD SYMBOL
Refractories, Fibers, Aluminosilicates	142844-00-6		85-95	NE		
Acrylic Latex	Mixture		5-15	NE		

Notes:

### 3. HAZARDS IDENTIFICATION: Possible cancer hazard by inhalation

#### 4. FIRST AID MEASURES:

**Inhalation:** If respiratory tract irritation develops, move the person to a dust free location. Get medical attention if the irritation continues.

**Skin Contact:** If skin becomes irritated, remove soiled clothing. Do not rub or scratch exposed skin. Wash area of contact thoroughly with soap and water. Using a skin cream or lotion after washing may be helpful.

**Eye Contact:** If eyes become irritated, flush immediately with large amounts of lukewarm water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Do not rub eyes. Get medical attention if irritation persists.

**Ingestion:** If gastrointestinal tract irritation develops, move the person to a dust free environment.

**Note to physician:** Skin and respiratory effects are the result of temporary, mild mechanical irritation; fiber exposure does not result in allergic manifestations.

#### 5. FIRE-FIGHTING MEASURES:

**Flammable Properties:** None

**Extinguishing Media:** Use extinguishing agent suitable for the type of surrounding fire.

**Unique Aspects Contributing To a Fire:** None

**Special Fire Fighting Procedures:** None.

**Note:**

**6. ACCIDENTAL RELEASE MEASURES:** Minimize creating airborne dust. Dust suppressing cleaning methods such as wet sweeping or vacuuming should be used to clean the work area. If vacuuming, the vacuum must be equipped with a HEPA filter. Compressed air or dry sweeping should not be used for cleaning.

**7. HANDLING AND STORAGE:** Store in original container in a dry area. Keep container closed when not in use. Handle with gloves and facemask.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Handle in accordance with good laboratory practices.

**Respiratory Protection:** Respirators for high dust level usage.

**Eye Protection:** Safety glasses recommended or facemask.

**Skin Protection:** Gloves recommended.

**Engineering Controls:**

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance: white, fibrous material

Physical State: solid	Flash Point: N/A	Vapor Pressure: N/A
Odor: none	Explosion Limits: N/A	Vapor Density (air=1): N/A
pH: N/A	Boiling Point: N/A	Solubility in Water: Not soluble
Specific Gravity: 2.5-2.75	Melting Point: 1760°C	Other:

**10. STABILITY AND REACTIVITY:**Hazardous Polymerization  Will Not Occur  May Occur

Stability:

**Hazardous Decomposition/Combustion Products:**  
Cristobalite, a form of crystalline silica – at elevated temperatures (>815°C)

**Conditions & Materials to Avoid:**  
Hydrofluoric acid, phosphoric acid, and concentrated alkali, strong oxidizing agents.

**11. TOXICOLOGICAL INFORMATION:**

Primary Route(s) of Exposure Under Normal Use: Inhalation, skin contact, eye contact.

Target Organ(s): Respiratory tract, eyes, skin.

**Acute Effects:** If inhaled in sufficient quantity, may cause temporary, mild mechanical irritation to respiratory tract. Symptoms may include scratchiness of the nose or throat, cough or chest discomfort. Skin exposure may cause temporary, mild mechanical irritation. Exposure to skin may also result in inflammation, rash or itching. Eye exposure may cause temporary, mild mechanical irritation. Fibers may be abrasive; prolonged contact may cause damage to the outer surface of the eye.

**Chronic Effects:** There has been no increased incidence of respiratory disease in studies examining occupationally exposed workers. In animal studies, long-term laboratory exposure to doses hundreds of times higher than normal occupational exposures has produced fibrosis, lung cancer, and mesothelioma in rats or hamsters. The fibers used in those studies were specially sized to maximize rodent respirability.

Other Information:

**12. ECOLOGICAL INFORMATION:** No ecological concerns have been identified.**13. DISPOSAL CONSIDERATIONS:** Dispose of by means to comply with local, state and federal regulations or contact an approved and licensed disposal agency.**14. TRANSPORT INFORMATION:****U.S. DOT:** Shipping Name:

Hazard Class: Not regulated.

UN/NA #: N/A

Packing Group #:

**IATA/ICAO:** N/A**15. REGULATORY INFORMATION:****EU Risk/Safety Phrases:** European Directive 97/69/EC classified RCF as a Category 2 carcinogen; that is it “should be regarded as if it is carcinogenic to man.”**U.S. TOSCA:** All substances in this product are listed, as required, on the TOSCA inventory. Product has been assigned a CAS number; however, it is a simple mixture and therefore not required to be listed on the TOSCA inventory.**Canada:** Product is classified as Class D2A – Materials Causing Other Toxic Effects**16. OTHER INFORMATION:**

<b>U.S. EPA SARA</b>	<b>National Fire Protection Association Rating</b>		
313 Chemicals	CERCLA RQ	4= Severe Hazard	HEALTH 1
		3= Serious Hazard	FLAMMABILITY 0
		2= Moderate Hazard	REACTIVITY 0
		1= Slight Hazard	OTHER 0
		0= Minimal Hazard	

Notes: Not Established (NE) means a value has not been set or there is no information available. Not Applicable (NA) means that the topic is not pertinent.

The information contained herein has been compiled from data presented in various technical sources believed to be accurate. Waters makes no warranties and assumes no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary precautions.