

**MATERIAL SAFETY DATA SHEET**

For Coatings Resins and Related Materials

<b>MSDS NUMBER</b> MSDS FTR-VALUE	<b>ISSUE DATE</b> 7/24/01	<b>SUPERCEDES:</b> All Previous	<b>PREPARED BY:</b> N/A
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**Section I - Product & Company Identification**

<b>PRODUCT IDENTITY (as used on label and list): FTR-VALUE Insulation</b>	
<b>Manufacturer / Distributor</b>	<b>EMERGENCY PHONE NUMBER(s)</b>
<b>NAME:</b> Seaman Corporation <b>ADDRESS:</b> 1000 Venture Blvd. <b>ADDRESS:</b> Wooster, OH 44691	<b>DAY:</b> 330-262-1111 <b>NIGHT (CHEMTREC):</b> 800-424-9300 <b>INFORMATION:</b> 330-262-1111
<b>Trade Names or Synonyms:</b> Polyisocyanurate foam insulation <b>CAS Number:</b> Mixture <b>D.O.T. Hazard Class:</b> N/A <b>Proper Shipping Name:</b> Insulation	<b>HMIS Hazard Codes:</b> none: $\longrightarrow$ extreme 0 $\longrightarrow$ 4 <b>Health:</b> 1 <b>Fire:</b> 1 <b>Reactivity:</b> 0 <b>Personal Protection:</b> 1 <b>UN #:</b> N/A

**Section II - Hazardous Ingredients**

Ingredients Material Description	Percent by Weight	C.A.S. Registry Number	Exposure Limits	
			ACGIH/TLV	OSHA/PEL
Polyisocyanurate Foam	N/A	NONE	NONE	< 60
Proprietary Hydrocarbons	N/A	1717-00-6	500	<10
Fibrous Glass	N/A	65997-17-3	10	<4
Cellulose	N/A	NONE	10	<26

**Section III - Physical Data**

<b>Boiling Range:</b> N/A	<b>Vapor Density:</b> N/A
<b>Specific Gravity:</b> 2.0 lbs/cu. ft.	<b>Solubility in Water:</b> N/A
<b>Volatiles:</b> N/A	
<b>Appearance and Odor:</b> Tan core foam with cellulose glass fiber facings; odorless	

**Section IV - Fire and Explosion Hazard Data**

<b>Flash Point:</b> N/A
<b>EXTINGUISHING MEDIA</b> Foam, dry chemical, carbon dioxide, water fog.
<b>SPECIAL FIREFIGHTING PROCEDURES</b> Full face self-contained breathing apparatus in conjunction with impervious protective clothing.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> None known. Avoid direct contact with flame. Burning foam may emit thick, black toxic smoke.
<b>STORAGE OF MATERIAL:</b> Class 2 Commodity (UFC)

**Section V - Toxicological Information**

N/A
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### Section VI - Health Hazard Data

**Signs of Overexposure:** Acute temporary mechanical irritation of eyes, nose, throat, lungs and possibly skin.

**Primary routes of Exposure:** Irritation and skin contact

**Eyes:** Irritation

**Skin:** Can cause irritation, dermatitis.

#### First Aid

**Inhalation:** Leave area to breathe fresh air. Drink water to clear throat and blow nose to remove dust.

**Skin:** Wash with soap and water.

**Eyes:** Flush with water for at least 15 minutes or until irritation ceases. If irritation persists, contact a physician.

### Section VII - Reactivity Data

**Stability:**  Unstable       Stable

**Hazardous Polymerization:**  May occur       Will not occur

**Incompatibility:** Acetone, ketone, methyl, ethyl chemical families.

**Conditions to Avoid:** Will burn if exposed to fire or sufficient heat intensity.  
Can release black toxic smoke if ignited.

**Hazardous Decomposition Products:** Like wood and other organic materials.

### Section VIII - Spill or Leak Procedures

#### Steps to Be Taken in Case Material is Released or Spilled:

Vacuum dust. If sweeping is necessary use a dust suppressant such as water.

#### Waste Disposal Method:

Dispose of in accordance with federal, state and local regulations.

### Section IX - Special Protection Information

**Respiratory Protection:** A respirator may be used. Breathing dust from this product may cause irritation to the upper respiratory tract.

**Ventilation:** Sufficient to keep workroom concentration below TLV.

**Ingestion:** This product is not intended to be ingested. It may cause irritation to the gastrointestinal tract.

**Eye Protection:** Safety glasses with eye shields are recommended.

**Other Protective Equipment:** Loose-fitting long-sleeved clothing and leather gloves may help prevent skin irritation.

### Section X - Special Precautions

**Precautions to be Taken in Handling and Storage:** Persons who develop irritation, respiratory problems, or puffiness around the eyes should be examined by a physician as soon as possible.

**Other Precautions:** None

### Section XI - Regulatory Data

Not completely classified or classifiable.

### Section XII - Abbreviations Used

N/A= Information or Data Not Available.	OSHA= Occupational Safety and Health Administration
NTP= National Toxicology Program	PEL= Permissible Exposure Limit (8-hr. TWA) (OSHA)
IARC= International Agency for Research on Cancer	TLV= Threshold Limit Value (8-hr. TWA) (ACGIH)
NIOSH= National Institute of Occupational Safety and Health	STEL= Short Term Exposure Limit (15-min TWA) (OSHA)
ACGIH= American Conference of Governmental Industrial Hygienists	C= Ceiling Value

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