

MATERIAL SAFETY DATA SHEET
For Coatings Resins and Related Materials

MSDS NUMBER MSDS FTR-601 (A)	ISSUE DATE 2/1/02	SUPERCEDES: All Previous	PREPARED BY: N/A
--	-----------------------------	------------------------------------	----------------------------

Section I - Product & Company Identification

PRODUCT IDENTITY (as used on label and list): FTR-601 Insulation Adhesive (Part A)	
Manufacturer / Distributor	EMERGENCY PHONE NUMBER(s)
NAME: Seaman Corporation ADDRESS: 1000 Venture Blvd. ADDRESS: Wooster, OH 44691	DAY: 330-262-1111 NIGHT (CHEMTREC): 800-424-9300 INFORMATION: 330-262-1111
Trade Names or Synonyms: Insulation Adhesive CAS Number: Mixture D.O.T. Hazard Class: N/A Proper Shipping Name: Adhesives	HMIS Hazard Codes: none: \longrightarrow extreme 0 \longrightarrow 4 Health: 2 Fire: 0 Reactivity: 0 Personal Protection: 0 UN #: N/A

Section II - Hazardous Ingredients

Ingredients Material Description	Percent by Weight	C.A.S. Registry Number	Exposure Limits	
			ACGIH/TLV	OSHA/PEL
Polyurethane Polymer	35.0 - 70.0	Trade Secret	N/A	N/A
Diphenylmethane diisocyanate (homopolymer)	8.5 - 18.0	101-68-8		
Polymetric Diphenylmethane Diisocyanate (polymeric MDI)	8.5 - 18.0	9016-87-9	N/A	0.02 ppm
MDI isomers/oligomers	<1.0	9016-87-9	0.005 ppm	N/A
			0.005 ppm	0.02 pp

Section III - Physical Data

Boiling Range: N/A	Vapor Density: N/A
Physical State: Viscous Liquid	Odor: Negligible
Volatiles: < 15%	Weight per gallon: 9 pounds
Appearance: Off-White - Amber	Spec. Gravity: 1.18

Section IV - Fire and Explosion Hazard Data

Flash Point: >350° F	Method: PM cc
EXTINGUISHING MEDIA	
Water, foam	
SPECIAL FIREFIGHTING PROCEDURES	
During a fire, personnel at the scene are to prevent exposure to fumes using acceptable fire fighting techniques.	
PRODUCTS OF COMBUSTION	
Hydrocyanic acid, oxides of nitrogen can form, carbon monoxide, carbon dioxide	
LOWER FLAMMABILITY: N/A	UPPER FLAMMABILITY: N/A

Section V - Toxicological Information

N/A

Section VI - Health Hazard Data

Effects of Overexposure

Inhalation of Particulates/Fumes: Irritation, coughing spell, and allergic respiratory sensitization.

Eyes: Irritation

Skin: Can cause irritation, dermatitis.

Ingestion: Can cause gastrointestinal irritation.

First Aid

Inhalation: Leave area to breathe fresh air. Should be observed by physician immediately if overexposure is severe.

Skin: Wash with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Eyes: Flush with water for at least 15 minutes, lifting the lids occasionally. Get immediate medical attention.

Ingestion: Call poison center immediately.

Section VII - Reactivity Data

Stability: Unstable Stable

Hazardous Polymerization: May occur Will not occur

Incompatibility: Avoid contact with water, acids, bases, alcohols and metal compounds.

Conditions to Avoid: Fire

Hazardous Decomposition Products: N/A

Section VIII - Spill or Leak Procedures

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

Absorb spill in sand, earth or other suitable material.

Waste Disposal Method:

Transfer to appropriate container for disposal. Not regulated by RCRA. Dispose in compliance with state and local regulations.

RCRA Class: N/A

Section IX - Special Protection Information

Respiratory Protection: If vapors exceed TLV, use self contained organic mask NIOSH approved.
Wear mask if spraying.

Ventilation: Sufficient to keep workroom concentration below TLV.

Protective Gloves: Chemical resistant gloves.

Eye Protection: Safety glasses or face shield.

Other Protective Equipment: Barrier cream for sensitive skin.

Section X - Special Precautions

Precautions to be Taken in Handling and Storage: Store under normal warehouse conditions, and keep away from excessive heat. Prevent ingestion and contact with skin and eyes. Keep container closed when not in use, because it will cure when exposed to atmospheric moisture.

Other Precautions: None

Section XI - Regulatory Data

TSCA Status: On the TSCA Inventory

OSHA Status: Irritant

Considered hazardous based on the following criteria: Sensitizer

Target Organs: Liver, Blood, Skin, Reproductive, Lung, Spleen

OSHA Hazardous Components

CAS#	Chemical Name
101-68-8	Methylene Bls (phenylisocyanate)

Chemical is listed as an IARC, NTP, OSHA, CERCLA, or ACGIH carcinogen (fumes).

Compliance Quantities: N/A

SARA Title III Section 313

Immediate Health Hazard	Y
Delayed Health Hazard	Y
Fire Hazard	N
Reactivity Hazard	N
Sudden Release of Pressure Hazard	N

Chemical Name	CAS#
Methylene Bls (phenylisocyanate)	101-68-8

Proposition 65 Ingredients	N/A
----------------------------	-----

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

Disclaimer

This information is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of Seaman Corporation's knowledge, or is obtained from sources believed by Seaman Corporation to be accurate. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. Seaman Corporation assumes no responsibility for injuries proximately caused by use of the material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, Seaman Corporation assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the material.