

MATERIAL SAFETY DATA SHEET

For Coatings Resins and Related Materials

MSDS NUMBER MSDS FTR-290	ISSUE DATE 3/11/96	SUPERCEDES: All Previous	PREPARED BY: N/A
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Section I - Product & Company Identification

PRODUCT IDENTITY (as used on label and list): FTR-290 Adhesive

Manufacturer / Distributor

NAME: Seaman Corporation
ADDRESS: 1000 Venture Blvd.
ADDRESS: Wooster, OH 44691

EMERGENCY PHONE NUMBER(s)

DAY: 330-262-1111
NIGHT (CHEMTREC): 800-424-9300
INFORMATION: 330-262-1111

Trade Names or Synonyms: One Way Bonding Adhesive

CAS Number: Mixture

D.O.T. Hazard Class: Hazard Class 3

Proper Shipping Name: Adhesives

Packing Group II

HMIS Hazard Codes: none: \longrightarrow extreme
0 \longrightarrow 4

Health: 2

Fire: 3

Reactivity: 0

Personal Protection: B

Section II - Hazardous Ingredients

Ingredients Material Description	Percent by Weight	C.A.S. Registry Number	TSCA	Exposure Limits		ACGIH/STEL
				ACGIH/TLV	OSHA/PEL	
METHYL ETHYL KETONE	45-70	78-93-3	Y	200 ppm	1000 ppm	750 ppm
TOLUENE	15-40	108-88-3	Y	50 ppm	200 ppm	
ACRYLONITRILE BUTADIENE	< 0.5	0.5	Y	2 ppm	2 ppm	

Section III - Physical Data

Boiling Range: 133° F

Evap. Rate: Faster than n-Butyl Acetate

Volatiles VOL %: N/A Wgt. % 53.4

Appearance: Light Amber; Typical Odor

EPA Method 24 VOC: 233.8 g/L maximum

Vapor Density: Heavier than air

Liquid Density: Lighter than water

Wgt. per gallon: 7.46 pounds

Spec. Gravity: 0.89584

Photo Chem Reactive Only VOC: 127.6 g/L

Section IV - Fire and Explosion Hazard Data

Flammability Class: IB

Flash Point: 0° F

Explosive Range: 0.9% to 13%

EXTINGUISHING MEDIA

Use NFPA Class B fire extinguishers (carbon dioxide, all purpose dry chemical or alcohol foam) designed to extinguish flammable liquid fires. Polymer foam is preferred for large fires.

SPECIAL FIREFIGHTING PROCEDURES

Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors are heavier than air and may travel to an ignition source distant from the material handling point.

Section V - Toxicological Information

N/A

Section VI - Health Hazard Data

Permissible Exposure Level: See Section II

Effects of Overexposure

Inhalation: May cause nose or throat irritation. High concentrations may cause acute central nervous system depression characterized by headache, dizziness, nausea, and confusion.

Eyes: May cause severe eye irritation and corneal damage.

Skin: May cause dermatitis. May cause defatting and irritation of the skin.

Ingestion: Can cause gastrointestinal irritation, nausea and vomiting. Aspiration of material into lungs may cause chemical pneumonitis which can be fatal.

First Aid

Inhalation: Remove to fresh air.

Skin: Remove contaminated clothes and wash with mild soap and water for 15 minutes. Seek medical attention if redness, blistering or swelling occur.

Eyes: Flush with water for at least 15 minutes and seek immediate medical attention.

Ingestion: Drink two or three cups of milk or water. Seek immediate medical attention.

Section VII - Reactivity Data

Stability: Unstable Stable

Hazardous Polymerization: May occur Will not occur

Incompatibility: Strong oxidizing agents.

Conditions to Avoid: Open flames, high heat, fire, sparks, static electricity.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Section VIII - Spill or Leak Procedures

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

Keep spectators away. Eliminate all ignition sources (flames, hot surfaces and sources of electrical, static or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent.

Waste Disposal Method:

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

Section IX - Special Protection Information

Respiratory Protection: If workplace exposure limit of product is exceeded, a NIOSH/MSHA approved air supplied respirator must be used in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

Ventilation: Sufficient to keep workroom concentration below PEL.

Protective Gloves: Chemical resistant gloves.

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised.

Other Protective Equipment: To prevent repeated, prolonged skin contact wear impervious clothing and boots.

Section X - Special Precautions

Precautions to be Taken in Handling and Storage: Keep container closed when not in use. Store at 60 - 95 degrees F. and out of sun. Use adequate ventilation to avoid breathing vapor when cover is removed. Ground all equipment when handling flammable solvent borne materials.

Other Precautions: For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe fumes. Avoid contact with body. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Close all containers when not in use. Empty containers must not be washed and re-used for any purpose. Contact lens wearers take appropriate precaution. Wash hands thoroughly after handling.

For spray applications, use only with approved spray equipment.

For flammable products, vapors may cause flash fire or ignite explosively. To prevent buildup of vapors, use adequate ventilation (e.g. open all windows and doors to achieve cross-ventilation). Containers may be hazardous when empty. Never use welding or cutting torch on or near container.

Section XI - Regulatory Data

SARA Title III Section 313

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	Percent by Weight
108-88-3	Toluene	10 - 30
107-13-1	Acrylonitrile Butadiene	< 0.5

PROP 65 (Carcinogen)

Warning: This product contains a chemical known to the state of California to cause cancer.

CAS#	Chemical Name	Percent by Weight
107-13-1	Acrylonitrile Butadiene	< 0.5

PROP 65 (Teratogen)

Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

CAS#	Chemical Name	Percent by Weight
108-88-3	Toluene	10 - 30

The following ingredients are registered for TSCA 12B.

CAS#	Chemical Name	Percent by Weight
67-64-1	Acetone	35 - 60

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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