



SAFETY DATA SHEET

FiberTite® FTR-490 Adhesive

Rev. Date: 22 Dec 2014

SECTION 1. PRODUCT & COMPANY INFORMATION

Product Name: FTR-490 Roofing Adhesive

Recommended Use: Roofing adhesive

Manufacturer: SEAMAN CORPORATION
1000 Venture Blvd.
Wooster, OH 44691 USA

PHONE: (330) 262-1111
INTERNET: www.seamancorp.com
24-HR EMERGENCY: (800) 424-9300 (Chemtrec)

SECTION 2. HAZARDS IDENTIFICATION

Pictograms:



Signal Word: DANGER

GHS Classification:

Flammable Liquid – Category 4
Acute Toxicity - Oral - Category 3
Acute Toxicity - Dermal - Category 3
Acute Toxicity - Inhalation - Category 3
Aspiration Hazard – Category 1
Skin Irritation – Category 2
Toxic to Reproduction – Category 2
Specific Target Organ Toxicity (Single Exposure) – Category 2
Specific Target Organ Toxicity (Repeated Exposure) – Category 1

Hazard Statements:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces - No smoking.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat.

Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe vapor.
Wash face, hands and any exposed skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.

Response:

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF exposed: Call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER or doctor/physician.
Get medical advice/attention if you feel unwell.
Rinse mouth.
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
Remove/Take off immediately all contaminated clothing.
Take off contaminated clothing and wash before reuse.
Wash contaminated clothing before reuse.
In case of fire: Use foam/CO2/powder/water spray for extinction.

Storage:

Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national regulations

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS No.</u>	<u>% by weight</u>
Toluene	108-88-3	3-10
Methanol	67-56-1	1-5

SECTION 4. FIRST AID MEASURES

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.
Skin Contact: Wash exposed skin with soap and water. Do not use solvents or thinners. If irritation develops or persists, seek medical attention.
Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.
Ingestion: Seek medical attention. Do not induce vomiting.

SECTION 5. FIRE FIGHTING MEASURES

Flammable Properties: Material is combustible.
Suitable Extinguishing Media: alcohol resistant foam, CO2, powders, water spray
Products of Combustion: Carbon monoxide and carbon dioxide
Protection of Firefighters: Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear. No special procedures are expected to be necessary for this product.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8.
Environmental Precautions: No special procedures necessary
Methods for Containment: No special procedures necessary
Methods for Clean-up: No special procedures necessary

SECTION 7. HANDLING AND STORAGE

Handling: Use protective equipment recommended in Section 8. Use only in well ventilated area. Eliminate any source of ignition. Ground and bond all equipment when handling. Wash hands after contact.
Storage: Storage temperature 60°F to 95°F (15°C to 35°C). Shelf life one year from manufacture date. Avoid heating or direct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

COMPONENT	OSHA (PEL)	ACGIH (TLV)	NIOSH (REL)	COMMENTS
Toluene (108-88-3)	200 ppm (590 mg/m ³) TWA; 300 ppm STEL	20 ppm TWA	-	
Methanol (67-56-1)	200 ppm (260 mg/m ³) TWA	200 ppm (262 mg/m ³) TWA; 250 ppm (328 mg/m ³) STEL	200 ppm (260 mg/m ³) TWA; 250 ppm (325 mg/m ³) STEL	

PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: Provide local exhaust ventilation
Eye/Face: Wear safety glasses
Skin: Wear chemical resistant protective gloves
Respiratory: If exposure limits are exceeded, NIOSH approved respiratory protection must be provided
General Hygiene: Wash hands with soap and water after handling material.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White liquid	Odor: Solvent
Odor threshold: Not available	pH: Not available
Melting/Freezing Point: Not available	Boiling Point: >100°C (212°F)
Flash Point: 91.1°C (196°F)	Evaporation Rate: >1.0 (butyl acetate=1)
Flammability: Category 4	LFL/UFL: 1.2% / 7.1% (toluene only)
Vapor Pressure: Not determined	Vapor Density: Greater than air
Relative Density: 1.078 (8.99 lb/gal)	Solubility: Soluble
Partition Coefficient K_{ow}: Not available	Auto-Ignition Temp.: Not available
Decomposition Temp.: Not applicable	Viscosity: Not available

VOC Content: 179 g/L (EPA Method 24)
 Photochemically reactive VOC: 109.7 g/L

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable at recommended storage and handling conditions
Conditions to Avoid: Sources of ignition
Incompatible Materials: Oxidizing agents, strong acids, strong bases
Hazardous Decomposition: Carbon monoxide, carbon dioxide
Hazardous Reactions: Will not occur

SECTION 11. TOXICOLOGY INFORMATION

POTENTIAL HEALTH EFFECTS:

Summary: Eye and skin irritation
Inhalation: Can cause severe CNS depression. May cause headaches and dizziness. Prolonged or repeated exposure may cause liver and kidney damage.
Skin Contact: May cause moderate skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin resulting in skin irritation and dermatitis.
Eye Contact: Mildly irritating to the eyes
Ingestion: Harmful or fatal if swallowed. Pulmonary respiration hazard. While ingesting or vomiting, may enter lungs and produce damage. May produce CNS effects, which include dizziness, loss of balance and coordination, or unconsciousness. Irritating to mouth, throat, and stomach.
Target Organs: Central nervous system, skin, eyes, liver, kidneys

ACUTE TOXICITY

General Information: Water based material with small amounts of methanol and toluene, which can have toxic effects in large quantities.

Component Analysis:

Toluene (108-88-3):
Oral LD50 Rat: 636 mg/kg
Dermal LD50 Rabbit: 14100 mg/kg
Inhalation (mouse): 440 mg/L (24-hr dose)

Methanol (67-56-1):
Inhalation (rat): 64000 ppm (4-hr dose)

CARCINOGENICITY

General Information: This product is not classified as a carcinogen or potential carcinogen by OSHA, NTP, ACGIH, or IARC. No specific data available.

Component Analysis:

Toluene (108-88-3):
IARC: 3 – Unclassifiable as to Carcinogenicity in Humans
ACGIH: A4 – Not classifiable as a Human Carcinogen

CHRONIC TOXICITY

No data is available on mutagenicity, reproductive effects, or developmental effects.

SECTION 12. ECOLOGICAL INFORMATION

Components may be harmful to aquatic organisms and may cause long term effects in the aquatic environment.

Do not empty into drains or waterways.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with Federal, State, and local environmental control regulations. This material may be classified as hazardous under the Resource Conservation and Recovery Act. (40 CFR 261)

SECTION 14. TRANSPORTATION INFORMATION

This product is hazardous for transportation.

Shipping Name: Combustible liquid, n.o.s. (contains toluene, methanol)
Class: 3 Packing Group: III ID No.: NA1993 NAERG: 128

SECTION 15. REGULATORY INFORMATION

SARA Title III: Health: Acute YES Chronic YES EHS NO
Physical: Fire YES Reactivity NO Pressure NO

SARA 313 (TRI): This product contains the following chemicals subject to reporting under Superfund Amendments Reauthorization Act, Title III, Section 313 (Toxic Release Inventory):

<u>Component</u>	<u>% by weight</u>
Toluene (CAS# 108-88-3)	1-5 %

California Proposition 65: **WARNING:** This material contains a chemical known to the State of California to cause birth defects or other reproductive harm: Toluene (CAS# 108-88-3)

SECTION 16. OTHER INFORMATION

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. No warranty of merchantability or any other warranty, expressed or implied, is given. In no case shall the information provided herein be considered a part of the terms and conditions of sale. Seaman Corporation assumes no obligation or liability for the information given or results obtained. All materials may present unknown hazards and should be used with caution. Final determination of suitability of any material is the sole responsibility of the user.

For questions related to the safety of this product, e-mail msds@seamancorp.com or call (330) 262-1111

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