



SAFETY DATA SHEET

FiberTite® FTR-190e Adhesive

Rev. Date: 3 Apr 2023

SECTION 1. PRODUCT & COMPANY INFORMATION

Product Name: FTR-190e Roofing Adhesive

Recommended Use: Roofing adhesive (Low VOC)

Manufacturer: SEAMAN CORPORATION
1000 Venture Blvd.
Wooster, OH 44691 USA
PHONE: (330) 262-1111
www.seamancorp.com

24-HR EMERGENCY (Chemtrec)
U.S./Canada: (800) 424-9300
International: +1 703 527-3887

SECTION 2. HAZARDS IDENTIFICATION

Pictograms:



Signal Word: DANGER

GHS Classification:

Flammable Liquid – Category 2
Eye Irritant – Category 2A
Reproductive Toxicant – Category 2
Specific Target Organ Toxicity (Single Exposure) – Category 3
Specific Target Organ Toxicity (Repeated Exposure) – Category 2

Hazard Statements:

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use non-sparking tools.

P243 Take action to prevent static discharges.
P260 Do not breathe gas, spray, vapors, fume.
P264 Wash clothing, hands, forearms, and face thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, clothing, eye protection, face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P370 + P378 In case of fire: Use dry chemical, CO₂, or foam to extinguish.

Storage:

P403 + P233 (+P235) Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with local/regional/national regulations

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Components</u>	<u>CAS No.</u>	<u>% by weight</u>
Acetone	67-64-1	60-100
Methyl Ethyl Ketone	78-93-3	1-5
Toluene	108-88-3	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 highly flammable. Likely to catch fire from nearby spark. Static charge may accumulate.
Suitable Extinguishing Media: alcohol resistant foam, CO₂, powders, water spray
Products of Combustion: Fire will produce dense black smoke. Carbon monoxide and carbon dioxide may be produced from decomposition.
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. Any electrical equipment used around vapors should meet the applicable requirements of the local electrical code. Wash hands after contact.

Storage: Storage temperature 60°F to 95°F (15°C to 35°C). Shelf life one year from manufacture date. Keep away from oxidizing agents and strongly acid or strongly alkaline materials. Avoid heating or direct sunlight. Material will evaporate quickly.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

COMPONENT	OSHA (PEL)	ACGIH (TLV)	NIOSH (REL)	COMMENTS
Acetone (67-64-1)	1000 ppm (2400 mg/m ³) TWA	500 ppm (1187 mg/m ³) TWA; 750 ppm (1780 mg/m ³) STEL	-	
Methyl Ethyl Ketone (78-93-3)	200 ppm (590 mg/m ³) TWA	200 ppm (590 mg/m ³) TWA; 300 ppm (885 mg/m ³) STEL	200 ppm (590 mg/m ³) TWA; 300 ppm (885 mg/m ³) STEL	
Toluene (108-88-3)	200 ppm (590 mg/m ³) TWA; 300 ppm CEILING; 500 ppm PEAK 10 MIN	20 ppm TWA	-	

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: Light amber liquid	Odor: Solvent (ketone)
Odor threshold: Not available	pH: Not available
Melting/Freezing Point: Not available	Boiling Point: 56°C (133°F)
Flash Point: -17°C (1.4°F)	Evaporation Rate: >1.0 (butyl acetate=1)
Flammability: Category 2	LFL/UFL: 1%/12.8%
Vapor Pressure: Not available	Vapor Density: Greater than air
Relative Density: Not available	Solubility: Slight in water
Partition Coefficient K_{ow}: Not available	Auto-Ignition Temp.: 404-536°C (759-997°F)
Decomposition Temp.: Not applicable	Viscosity: Not available

VOC Content: 199.4 g/L (EPA Method 24)
 Photochemically reactive VOC: 53 g/L
 0.25 lb VHAP/lb solid
 6.2%wt HAP

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:	Material is flammable, irritating to eyes and skin, can cause dizziness/drowsiness
Inhalation:	May cause dizziness and/or drowsiness, headaches, and irritation of the lungs
Skin Contact:	Drying of skin and dermatitis may occur
Eye Contact:	May cause irritation, redness, and burning; vapors may also cause irritation
Ingestion:	Irritation of gastrointestinal tract, large quantities may have toxic effects
Target Organs:	Central nervous system, skin, eyes, liver, kidneys

ACUTE TOXICITY

General Information: In high concentration the material is irritating to the mucous membranes, can induce a narcotic effect, and cause loss of coordination and reaction.

Component Analysis:

Acetone (67-64-1):	
Oral LD50 Rat:	5800 mg/kg
Dermal LD50 Rabbit:	>15700 mg/kg
Inhalation (rat):	50100 mg/m ³ (8-hr dose)
Methyl Ethyl Ketone (78-93-3):	
Oral LD50 Rat:	>2737 mg/kg
Dermal LD50 Rabbit:	5000 to 13000 mg/kg
Inhalation (rat):	23500 mg/L (8-hr dose)
Toluene (108-88-3):	
Oral LD50 Rat:	2600 mg/kg
Dermal LD50 Rabbit:	12000 mg/kg
Inhalation (mouse):	12.5 mg/L (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

This product contains components that will normally float on water. These 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: Adhesives (contains toluene, acetone)

Class: 3

Packing Group: II

ID No.: UN1133

ERG: 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):

Component

% by weight

Toluene (CAS# 108-88-3)

1-5 %

California Proposition 65:



WARNING: This product can expose you 1,3-Butadiene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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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