

Safety Data Sheet

FiberTite® Roofing Membranes

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name:	FiberTite® Roofing Membranes	
Trade names:	FiberTite® FiberTite®-FB FiberTite®-XT FiberTite®-XT FB	
Use of the substance/mixture:	Roofing/waterproofing	
Manufacturer:	SEAMAN CORPORATION 1000 Venture Blvd. Wooster, OH 44691 USA PHONE: (330) 262-1111 www.seamancorp.com	
Emergency telephone:	24-HR EMERGENCY (Chemtrec) International: +1 703 527-3887	

SECTION 2: HAZARD IDENTIFICATION

This material does not meet any hazard classification under the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).	
Under normal use and handling, the product is not expected to create any physical or health hazards.	
Excessive heating may result in the generation of smoke or fumes containing hydrogen chloride, carbon dioxide, carbon monoxide, and trace amounts of organic compounds due to decomposition of the components. These fumes may be irritating to respiratory tract and eyes.	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Exposure to individual components is not expected under normal conditions of use. Listing of major components and exposure limits are given for reference only.			
	Regulated Components	CAS No.	Weight %
	Titanium Dioxide	13463-67-7	0-15%
	Antimony Trioxide	1309-64-4	<5%
	Folpet	133-07-3	<1%
	Major Components		
	Nylon or Polyester fabric	NA	
	PVC Resin	9002-86-2	
	Ketone Ethylene Ester copolymer	**	
	Alkyl phthalate plasticizer	**	
	Polyester non-woven fleece (FB products only)	NA	
** Specific chemical identity is withheld as a trade secret under the relevant legislative bodies.			

SECTION 4: FIRST AID MEASURES

Inhalation:	If exposed to fumes from overheating or combustion, move to fresh air. Seek medical attention if symptoms persist.	
Skin Contact:	Wash exposed skin with soap and water. If irritation develops or persists, seek medical attention.	
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.	



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Ingestion:	Not applicable.	
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SECTION 5: FIREFIGHTING MEASURES

Flammable Properties:	Material will burn if exposed continuously to an external combustion source and yield hydrogen chloride, carbon monoxide, carbon dioxide, and small amounts of aliphatic and aromatic hydrocarbons.	
Suitable Extinguishing Media:	Water fog, CO2, foam or dry chemical (CAUTION: CO2 will displace air in confined spaces and may cause an oxygen deficient atmosphere.)	
Products of Combustion:	Hydrogen chloride, carbon dioxide, carbon monoxide, trace amounts of aliphatic and aromatic organics.	
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:	<p>Use protective equipment recommended in Section 8. Wash hands after repeated handling. When hot air or wedge welding, insure adequate local ventilation to prevent the buildup of fumes.</p> <p>Unwinding, winding, and passage of the fabric through and over rollers can generate a strong electrostatic charge on the surface of the fabric. Static discharge devices should be used when handling in this way.</p>	
Storage:	Rolled goods should be kept dry and protected from moisture.	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT		
Engineering Controls:	Provide local exhaust ventilation for any thermal processing operations.	
Eye/Face:	Wear safety glasses during processing.	
Skin:	Wear general purpose gloves during prolonged handling.	
Respiratory:	Provide adequate local ventilation. If exposure limits are exceeded, NIOSH approved respiratory protection must be provided.	
General Hygiene:	Wash hands with soap and water after handling material.	

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EXPOSURE GUIDELINES

COMPONENT	OSHA (PEL)	ACGIH (TLV)	NIOSH (REL)	COMMENTS
PVC Resin (9002-86-2)	-	-	-	None established
Folpet (133-07-3)	-	-	-	None established
Titanium Dioxide (13463-67-7)	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	-	
Antimony Trioxide (1309-64-4):	0.5 mg/m ³ TWA as Sb	0.5 mg/m ³ TWA as Sb	0.5 mg/m ³ TWA as Sb	

NOTE: Due to product form, exposure to dust or fume is not expected to occur; exposure limits are given for reference only.

Potential bi-products from thermal processing/overheating:

	OSHA (PEL)	ACGIH (TLV)	NIOSH (REL)	COMMENTS
Hydrogen Chloride (7647-01-0)	5 ppm (7 mg/m ³) Ceiling	2 ppm (2.98 mg/m ³) Ceiling	5 ppm (7 mg/m ³) Ceiling	The odor threshold for HCl is 0.25 ppm
Carbon Monoxide (630-08-0)	50 ppm (55 mg/m ³) TWA	25 ppm (29 mg/m ³) TWA	35 ppm (40 mg/m ³) TWA; 200 ppm (229 mg/m ³) Ceiling	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Polymeric sheeting	Odor:	Characteristic
Odor threshold:	NA	pH:	NA
Melting/Freezing Point:	NA	Boiling Point:	NA
Flash Point:	NA	Evaporation Rate:	NA
Flammability:	NA	LFL/UFL:	NA
Vapor Pressure:	NA	Vapor Density:	NA
Relative Density:	NA	Solubility:	none
Partition Coefficient K _{ow} :	NA	Auto-Ignition Temp.:	454.4°C (850°F)
Decomposition Temp.:	Not determined	Viscosity:	NA

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not reactive	
Chemical Stability:	Stable at normal temperatures	
Hazardous Reactions:	Will not occur	
Conditions to Avoid:	Prolonged excessive heating	
Incompatible Materials:	None known.	
Hazardous Decomposition:	Thermal decomposition products: Hydrogen chloride, carbon dioxide, carbon monoxide, trace amounts of aliphatic and aromatic organics	

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SECTION 11: TOXICOLOGICAL INFORMATION

<u>POTENTIAL HEALTH EFFECTS:</u>	
Summary:	Smoke generated from heating or burning the product is the primary health effect.
Inhalation:	Irritation of the upper respiratory tract may occur from fumes and smoke generated during heating
Skin Contact:	Prolonged handling may cause mechanical irritation
Eye Contact:	Fumes from heating may cause irritation, redness, and burning
Ingestion:	Not an expected route of entry
Target Organs:	Lungs/respiratory tract, eyes
<u>ACUTE TOXICITY</u>	
General Information:	No data available for this product as a whole. Adverse health effects would not be anticipated with normal use. However, thermal processing can emit fumes which may cause eye and respiratory irritation.
Component Analysis:	Due to the physical form of the product, exposure to the chemical components of the fabric and coating is not expected. Contact manufacturer (contact information in Section 16) to obtain detailed information regarding component toxicity.
<u>CARCINOGENICITY</u>	
General Information:	This product has not been evaluated by OSHA, NTP, ACGIH, or IARC. No specific data available.
<u>Component Analysis:</u>	
PVC Resin (9002-86-2):	IARC: Group 3 - Not Classifiable (Vol. 19, Suppl. 7, 1987)
Antimony Trioxide (1309-64-4):	IARC: Group 2B - Possibly Carcinogenic to Humans (Vol. 47, 1989) ACGIH: A2 - Suspected Human Carcinogen
Titanium Dioxide (13463-67-7):	IARC: Group 2B - Possibly Carcinogenic to Humans (Vol. 93, 2010) ACGIH: A4 - Not Classifiable as a Human Carcinogen NIOSH: Potential occupational carcinogen
Folpet (133-07-3):	EPA: B2 - Probable Human Carcinogen (sufficient evidence from animal studies; inadequate evidence or no data from epidemiologic studies)
<u>CHRONIC TOXICITY</u>	
No data is available on mutagenicity, reproductive effects, or developmental effects.	

SECTION 12: ECOLOGICAL INFORMATION

No data is available on the adverse effects of this product on the environment. Toxicity is expected to be low based on insolubility in water.
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SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate methods of disposal for the material:	Contact waste disposal services or deliver for recycling.	
Appropriate methods of disposal for the packaging:	Contact waste disposal services.	

SECTION 14: TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.	
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SECTION 15: REGULATORY INFORMATION

SARA Title III:	Health:	Acute <u>NO</u>	Chronic <u>NO</u>	FHS <u>NO</u>	
	Physical:	Fire <u>NO</u>	Reactivity <u>NO</u>	Pressure <u>NO</u>	
SARA 313 (TRI):	This product is considered an "article" under SARA Title III Section 313 and is not subject to reporting under normal conditions of use.				

SECTION 16: OTHER INFORMATION

Last update date (Seaman Corporation)	08.12.2020	
Moy Materials Ltd version prepared by	Martin Bidewell	

The data contained in this document is correct on date of issue and complete to the best of our knowledge as it applies to this product. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. The information given does not represent an assurance and it is the user's responsibility to ensure that the information is suitable and complete for the respective use.