

SeeVue, Stainless Steel Insect Screen, Stainless Steel Wire

SDS Number: PI-SDS-M700

Revision Date: 8/17/2018

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: SeeVue, Stainless Steel Insect Screen, Stainless Steel Wire
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-M700
Product Code: PI-SDS-M700
Product Use: Insect Screening

2 HAZARDS IDENTIFICATION

Route of

Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Solid stainless steel does not present an inhalation hazard. Stainless steel dusts and fumes may have negative effects on the users' health.

Effects of overexposure are as follows:

Acute: Excessive inhalation of all metallic fumes and dusts may result in irritation of eyes, nose and throat. Also high concentrations of fumes and ducts of iron-oxide, manganese, copper & selenium may result in metal fume fever. Typical symptoms consist of a metallic taste in the mouth, dryness and irritation of the throat, chills and fever, and usually last from 12 to 48 hours.

Chronic: Chronic and prolonged inhalation of high concentrations of fumes or dust of the following elements may lead to the conditions listed opposite the elements:

Iron (iron-oxide): Pulmonary effects, siderosis

Manganese: Bronchitis, pneumonitis, lack of coordination, central nervous system.

Chromium: Various forms of dermatitis, inflammation and/or ulceration of upper respiratory tract, and possibly cancer of nasal passages and lungs. Based on available information, there does not appear to be any evidence that exposure to welding fume induces human cancer.

Nickel: SAME AS CHROMIUM Molybdenum: Pain in joints, hands, knees and feet.

Medical conditions generally aggravated by exposure would be dermatitis and pulmonary disease or disorders.

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Chromium and Nickel have been identified by the International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) as potential carcinogens.

Skin Contact: Skin contact with hot metal can cause burns.

Eye Contact: Stainless steel dust can irritate the eyes (mechanical abrasion).

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
7439-96-5	0.0-2.0%	Manganese
7440-47-3	18.0-20.0%	Chromium
7440-02-0	8.0-10.5%	Nickel
1309-37-1	67.50-74%	IRON OXIDE
NA	Balance	Proprietary Coating

Consists of 304L stainless steel alloy coated with a very thin proprietary epoxy or polyester coating.

4 FIRST AID MEASURES

Inhalation: Solid stainless steel does not present an inhalation hazard. Stainless steel dusts generated during the use are considered nuisance particles.

Skin Contact: Skin contact with hot metal can cause burns.

Eye Contact: Stainless steel dust can irritate the eyes (mechanical abrasion). Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Consult physician.

SeeVue, Stainless Steel Insect Screen, Stainless Steel Wire

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5 FIRE FIGHTING MEASURES

Flash Point: N/A
Flash Point Method: N/A
Burning Rate: Negligible
Autoignition Temp: N/A
LEL: N/A
UEL: N/A

Use Class D rated extinguisher.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

Suspensions of stainless steel dust in air may pose a explosion hazard.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

7 HANDLING AND STORAGE

Handling Precautions: Screen is electrically conductive

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Steel products in the natural state do not present an inhalation, ingestion, or contact health hazard. However, operations such as welding, burning, sawing, brazing, grinding, and possibly machining, which results in elevating the temperature of the product to or above its melting point or results in the generation of airborne particulates may present hazards. The above operations should be performed in well ventilated areas.

Personal Protective Equip:

Not required for intended use.

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black colored woven stainless steel screen.
Physical State:	Solid
Solubility:	Insoluble in water
Spec Grav./Density:	7.8-8.0 g/cubic meter
Viscosity:	Solid
Melting Point:	1370-1540°C

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Non-ventilated areas when cutting, welding, burning or brazing; avoid generation of airborne dust and fumes
Materials to Avoid:	Stable under normal conditions to use, storage and transport. Reacts with strong acids to form hydrogen gas.
Hazardous Decomposition:	At temperatures above melting point, metallic oxide fumes may be liberated. . Keep Area Well Ventilated Hazardous Decomposition Products: Metallic oxides.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

12 ECOLOGICAL INFORMATION

Data not available

SeeVue, Stainless Steel Insect Screen, Stainless Steel Wire

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13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

RECYCLE

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

7439-96-5	0.0-2.0%	Manganese
7440-47-3	18.0-20.0%	Chromium
7440-02-0	8.0-10.5%	Nickel
1309-37-1	67.50-74%	IRON OXIDE

CERCLA (Comprehensive Response Compensation, and Liability Act)

7440-47-3	18.0-20.0%	Chromium
7440-02-0	8.0-10.5%	Nickel

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

7440-47-3	18.0-20.0%	Chromium
7440-02-0	8.0-10.5%	Nickel

*Manganese (7439965 0.0-2.0%) MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

*Chromium (7440473 18.0-20.0%) CERCLA, EPCRAWPC, HWRCRA, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

*Nickel (7440020 8.0-10.5%) CERCLA, EPCRAWPC, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA

*IRON OXIDE (1309371 8.0-10.5%) MASS, OSHAWAC, PA, TSCA, TXAIR



Safety Data Sheet

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CERCLA = Superfund clean up substance
EPCRAWPC = EPCRA Water Priority Chemicals
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
HWRORA = RCRA Hazardous Wastes
NRC = Nationally Recognized Carcinogens

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OTHER INFORMATION

THE INFORMATION IN THIS SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. PHIFER INCORPORATED BELIEVES THIS INFORMATION TO BE RELIABLE AND UP-TO-DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT PHIFER INCORPORATED AT THE NUMBER LISTED BELOW TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

PHIFER INCORPORATED
P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120



Safety Data Sheet

Black E-Coat, Charcoal E-Coat

SDS Number: PI-SDS-M520

Revision Date: 8/17/2018

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: Black E-Coat, Charcoal E-Coat
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-M520
Product Code: PI-SDS-M520
Product Use: Insect Screening

2 HAZARDS IDENTIFICATION

Route of

Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Solid Aluminum does not present an inhalation hazard. Aluminum dusts generated during the use are considered nuisance particles.

Skin Contact: Skin contact with hot metal can cause burns.

Eye Contact: Aluminum dust can irritate the eyes (mechanical abrasion).

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name	
7429-90-5	92-99%	Aluminum	OSHA: PEL 5mg/cubic meter
7439-95-4	0.2-5.6%	Magnesium	OSHA: PEL 15mg/cubic meter
7439-96-5	.05-1.4%	Manganese	OSHA: PEL 5mg/cubic meter
7440-47-3	.04-.35%	Chromium	OSHA: PEL 0.5mg/cubic meter
NA	Balance	Proprietary Coating	

Consists of 5154A aluminum wire coated with a very thin proprietary electrostatic deposition coating.

4 FIRST AID MEASURES

Inhalation: Solid aluminum does not present an inhalation hazard. Aluminum dusts generated during the use are considered nuisance particles.

Skin Contact: Skin contact with hot metal can cause burns.

Eye Contact: Aluminum dust can irritate the eyes (mechanical abrasion). Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Consult physician.

5 FIRE FIGHTING MEASURES

Flash Point:	N/A
Flash Point Method:	N/A
Burning Rate:	Negligible
Autoignition Temp:	N/A
LEL:	N/A
UEL:	N/A

Use Class D rated extinguisher.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

Suspensions of aluminum dust in air may pose a explosion hazard. Aluminum fines are combustible and are difficult to extinguish.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

7 HANDLING AND STORAGE

Handling Precautions: Screen is electrically conductive

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black or charcoal colored woven screen.

Physical State: Solid

Solubility: Insoluble in water

Viscosity: Solid

Bulk Density: (water=1) 2.5-2.9

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents, Strong Acids, Acid Chlorides, Strong Bases, Chlorinated Hydrocarbons, and Alcohols.

Hazardous Decomposition: Combustion will produce CO₂, CO, HCN, metal fumes, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

Black E-Coat, Charcoal E-Coat

SDS Number: PI-SDS-M520

Revision Date: 8/17/2018

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12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

RECYCLE

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

7429-90-5	92-99%	Aluminum
7439-96-5	.05-1.4%	Manganese
7440-47-3	.04-.35%	Chromium

CERCLA (Comprehensive Response Compensation, and Liability Act)

7429-90-5	92-99%	Aluminum
7439-96-5	.05-1.4%	Manganese
7440-47-3	.04-.35%	Chromium

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

7429-90-5	92-99%	Aluminum
7439-96-5	.05-1.4%	Manganese
7440-47-3	.04-.35%	Chromium

*Aluminum (7429905 92-99%) EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

*Magnesium (7439954 0.2-5.6%) MASS, PA, TSCA

*Manganese (7439965 .05-1.4%) MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

Black E-Coat, Charcoal E-Coat

SDS Number: PI-SDS-M520

Revision Date: 8/17/2018

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*Chromium (7440473 .04-.35%) CERCLA, EPCRAWPC, HWRCRA, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

CERCLA = Superfund clean up substance

EPCRAWPC = EPCRA Water Priority Chemicals

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHAWAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

PRIPOL = Clean Water Act Priority Pollutants

SARA313 = SARA 313 Title III Toxic Chemicals

TOXICPOL = Clean Water Act Toxic Pollutants

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

HWRCRA = RCRA Hazardous Wastes

NRC = Nationally Recognized Carcinogens

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OTHER INFORMATION

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PHIFER INCORPORATED
P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120

Elite Screen

SDS Number: PI-SDS-T140

Revision Date: 8/17/2018

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: Elite Screen
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-T140
Product Code: PI-SDS-T140
Product Use: Insect and/or Sun Control

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Short-term harmful health affects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: Fibers in core yarn may irritate skin

Eye Contact: May cause irritation

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

P337 - If eye irritation persists: flush with water

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT.%</u>	<u>CAS Registry #</u>
Fiberglass Core Yarn	36-38	NA
Vinyl Coating	62-64	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Fiberglass Core Yarn:	no restriction	-
Vinyl Coating:	not determined	-

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: Will not burn in the absence of an independent flame source.

Autoignition Temp: N/A

LEL: N/A

UEL: N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Textured fabric of varying colors.

Physical State: Solid

Odor: New vinyl

Solubility: Insoluble in water

Viscosity: Solid

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.



Safety Data Sheet

Elite Screen

SDS Number: PI-SDS-T140

Revision Date: 8/17/2018

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OTHER INFORMATION

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PHIFER INCORPORATED
P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120

TuffScreen

SDS Number: PI-SDS-T135

Revision Date: 8/17/2018

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: TuffScreen
Revision Date: 8/17/2018
Version: 4
SDS Number: PI-SDS-T135
Product Code: PI-SDS-T135
Product Use: Pet-resistant insect screening

2

HAZARDS IDENTIFICATION

Route of

Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Short-term harmful health affects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: Fibers in core yarn may irritate skin

Eye Contact: May cause irritation.

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

P337 - If eye irritation persists: flush with water

TuffScreen

SDS Number: PI-SDS-T135

Revision Date: 8/17/2018

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT. %</u>	<u>CAS Registry #</u>
Polyester Core Yarn	28	NA
Vinyl Coating	72	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

<u>OSHA PEL</u>	<u>ACGIH TLV</u>
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Polyester Core Yarn:	no restriction	--
Vinyl Coating:	not determined	--

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: Will not burn in the absence of an independent flame source.

Autoignition Temp: N/A

LEL: N/A

UEL: N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

TuffScreen

SDS Number: PI-SDS-T135

Revision Date: 8/17/2018

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7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Textured fabric of varying colors.

Physical State: Solid

Odor: New vinyl

Solubility: Insoluble in water

Viscosity: Solid

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.

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PHIFER INCORPORATED
P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120



PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

PROTECTION THAT LIVES ON
MICROBAN® 

PetScreen

SDS Number: PI-SDS-T130

Revision Date: 8/17/2018

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: PetScreen
Revision Date: 8/17/2018
Version: 4
SDS Number: PI-SDS-T130
Product Code: PI-SDS-T130
Product Use: Pet-resistant insect screening

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin;

Inhalation: Short-term harmful health affects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: Fibers in core yarn may irritate skin

Eye Contact: May cause irritation.

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

P337 - If eye irritation persists: flush with water

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT. %</u>	<u>CAS Registry #</u>
Polyester Core Yarn	31	NA
Vinyl Coating	69	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

<u>OSHA PEL</u>	<u>ACGIH TLV</u>
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Polyester Core Yarn:	no restriction	--
Vinyl Coating:	not determined	--

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point:	N/A
Flash Point Method:	N/A
Burning Rate:	Will not burn in the absence of an independent flame source.
Autoignition Temp:	N/A
LEL:	N/A
UEL:	N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Textured fabric of varying colors.

Physical State: Solid

Odor: New vinyl

Solubility: Insoluble in water

Viscosity: Solid

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.

THE INFORMATION IN THIS SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. PHIFER INCORPORATED BELIEVES THIS INFORMATION TO BE RELIABLE AND UP-TO-DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT PHIFER INCORPORATED AT THE NUMBER LISTED BELOW TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

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P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120



PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818



UltraVue

SDS Number: PI-SDS-T120

Revision Date: 8/17/2018

Page 1 of 5

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: UltraVue
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-T120
Product Code: PI-SDS-T120
Product Use: Insect and/or Sun Control

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Short-term harmful health affects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: Fibers in core yarn may irritate skin

Eye Contact: May cause irritation

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

P337 - If eye irritation persists: flush with water

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT.%</u>	<u>CAS Registry #</u>
Fiberglass Core Yarn	40-42	NA
Vinyl Coating	58-60	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Fiberglass Core Yarn:	no restriction	-
Vinyl Coating:	not determined	-

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: Will not burn in the absence of an independent flame source.

Autoignition Temp: N/A

LEL: N/A

UEL: N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Textured fabric of varying colors.

Physical State: Solid

Odor: New vinyl

Solubility: Insoluble in water

Viscosity: Solid

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.

THE INFORMATION IN THIS SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. PHIFER INCORPORATED BELIEVES THIS INFORMATION TO BE RELIABLE AND UP-TO-DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT PHIFER INCORPORATED AT THE NUMBER LISTED BELOW TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

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TUSCALOOSA, AL 35403

(205) 345-2120



PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

BetterVue Elite

SDS Number: PI-SDS-T115

Revision Date: 8/17/2018

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1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: BetterVue Elite
Revision Date: 8/17/2018
Version: 4
SDS Number: PI-SDS-T115
Product Code: PI-SDS-T115
Product Use: Insect and/or Sun Control

2

HAZARDS IDENTIFICATION

Route of

Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Short-term harmful health affects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: Fibers in core yarn may irritate skin

Eye Contact: May cause irritation

Ingestion: Consult physician

GHS Precautionary Statements:

- P281 - Use personal protective equipment as required.
- P337 - If eye irritation persists: flush with water

BetterVue Elite

SDS Number: PI-SDS-T115

Revision Date: 8/17/2018

Page 2 of 5

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT.%</u>	<u>CAS Registry #</u>
Fiberglass Core Yarn	38-40	NA
Vinyl Coating	60-62	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Fiberglass Core Yarn:	no restriction	-
Vinyl Coating:	not determined	-

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: Will not burn in the absence of an independent flame source.

Autoignition Temp: N/A

LEL: N/A

UEL: N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

BetterVue Elite

SDS Number: PI-SDS-T115

Revision Date: 8/17/2018

Page 3 of 5

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Textured fabric of varying colors.

Physical State: Solid

Odor: New vinyl

Solubility: Insoluble in water

Viscosity: Solid

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.

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TUSCALOOSA, AL 35403

(205) 345-2120



PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818





Safety Data Sheet

BetterVue Insect Screening, BetterVue Pool and Patio

SDS Number: PI-SDS-T110

Revision Date: 8/17/2018

Page 1 of 5

1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: BetterVue Insect Screening, BetterVue Pool and Patio
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-T110
Product Code: PI-SDS-T110
Product Use: Insect and/or Sun Control

2

HAZARDS IDENTIFICATION

Route of

Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Short-term harmful health affects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: Fibers in core yarn may irritate skin

Eye Contact: May cause irritation

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

P337 - If eye irritation persists: flush with water

BetterVue Insect Screening, BetterVue Pool and Patio

SDS Number: PI-SDS-T110

Revision Date: 8/17/2018

Page 2 of 5

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT.%</u>	<u>CAS Registry #</u>
Fiberglass Core Yarn	38-40	NA
Vinyl Coating	60-62	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Fiberglass Core Yarn:	no restriction	-
Vinyl Coating:	not determined	-

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: Will not burn in the absence of an independent flame source.

Autoignition Temp: N/A

LEL: N/A

UEL: N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

BetterVue Insect Screening, BetterVue Pool and Patio

SDS Number: PI-SDS-T110

Revision Date: 8/17/2018

Page 3 of 5

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Textured fabric of varying colors.

Physical State: Solid

Odor: New vinyl

Solubility: Insoluble in water

Viscosity: Solid

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

BetterVue Insect Screening, BetterVue Pool and Patio

SDS Number: PI-SDS-T110

Revision Date: 8/17/2018

Page 4 of 5

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.

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TUSCALOOSA, AL 35403

(205) 345-2120



PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818



Safety Data Sheet

No-See-Ums

SDS Number: PI-SDS-T105

Revision Date: 8/17/2018

Page 1 of 5

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: No-See-Ums
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-T105
Product Code: PI-SDS-T105
Product Use: Insect and/or Sun Control

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Short-term harmful health affects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: Fibers in core yarn may irritate skin

Eye Contact: May cause irritation

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.
P337 - If eye irritation persists: flush with water

No-See-Ums

SDS Number: PI-SDS-T105

Revision Date: 8/17/2018

Page 2 of 5

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT.%</u>	<u>CAS Registry #</u>
Fiberglass Core Yarn	32-34	NA
Vinyl Coating	66-68	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Fiberglass Core Yarn:	no restriction	-
Vinyl Coating:	not determined	-

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: Will not burn in the absence of an independent flame source.

Autoignition Temp: N/A

LEL: N/A

UEL: N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

No-See-Ums

SDS Number: PI-SDS-T105

Revision Date: 8/17/2018

Page 3 of 5

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Textured fabric of varying colors.

Physical State: Solid

Odor: New vinyl

Solubility: Insoluble in water

Viscosity: Solid

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

No-See-Ums

SDS Number: PI-SDS-T105

Revision Date: 8/17/2018

Page 4 of 5

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.

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TUSCALOOSA, AL 35403

(205) 345-2120



PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

Phiferglass Insect Screening

SDS Number: PI-SDS-T100

Revision Date: 8/17/2018

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1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: Phiferglass Insect Screening
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-T100
Product Code: PI-SDS-T100
Product Use: Insect and/or Sun Control

2

HAZARDS IDENTIFICATION

Route of

Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Short-term harmful health affects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: Fibers in core yarn may irritate skin

Eye Contact: May cause irritation

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

P337 - If eye irritation persists: flush with water

Phiferglass Insect Screening

SDS Number: PI-SDS-T100

Revision Date: 8/17/2018

Page 2 of 5

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT.%</u>	<u>CAS Registry #</u>
Fiberglass Core Yarn	32-38	NA
Vinyl Coating	62-68	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Fiberglass Core Yarn:	no restriction	-
Vinyl Coating:	not determined	-

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: Will not burn in the absence of an independent flame source.

Autoignition Temp: N/A

LEL: N/A

UEL: N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

Phiferglass Insect Screening

SDS Number: PI-SDS-T100

Revision Date: 8/17/2018

Page 3 of 5

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Textured fabric of varying colors.

Physical State: Solid

Odor: New vinyl

Solubility: Insoluble in water

Viscosity: Solid

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.

THE INFORMATION IN THIS SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. PHIFER INCORPORATED BELIEVES THIS INFORMATION TO BE RELIABLE AND UP-TO-DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT PHIFER INCORPORATED AT THE NUMBER LISTED BELOW TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

PHIFER INCORPORATED
P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120



PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818



Safety Data Sheet

Uncoated 5154A Screen, Standard Aluminum Screen, Lite Kote, Grill Cloth, Vent Mesh

SDS Number: PI-SDS-M530

Revision Date: 8/17/2018

Page 1 of 5

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: Uncoated 5154A Screen, Standard Aluminum Screen, Lite Kote, Grill Cloth, Vent Mesh
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-M530
Product Code: PI-SDS-M530
Product Use: Insect Screening

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Solid Aluminum does not present an inhalation hazard. Aluminum dusts generated during the use are considered nuisance particles.

Skin Contact: Skin contact with hot metal can cause burns.

Eye Contact: Aluminum dust can irritate the eyes (mechanical abrasion).

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

Uncoated 5154A Screen, Standard Aluminum Screen, Lite Kote, Grill Cloth, Vent Mesh

SDS Number: PI-SDS-M530

Revision Date: 8/17/2018

Page 2 of 5

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name	
7429-90-5	92-99%	Aluminum	OSHA: PEL 5mg/cubic meter
7439-95-4	0.2-5.6%	Magnesium	OSHA: PEL 15mg/cubic meter
7439-96-5	.05-1.4%	Manganese	OSHA: PEL 5mg/cubic meter
7440-47-3	.04-.35%	Chromium	OSHA: PEL 0.5mg/cubic meter

Consists of 5154A aluminum wire.

4 FIRST AID MEASURES

Inhalation: Solid aluminum does not present an inhalation hazard. Aluminum dusts generated during the use are considered nuisance particles.

Skin Contact: Skin contact with hot metal can cause burns.

Eye Contact: Aluminum dust can irritate the eyes (mechanical abrasion). Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Consult physician.

5 FIRE FIGHTING MEASURES

Flash Point: N/A
Flash Point Method: N/A
Burning Rate: Negligible
Autoignition Temp: N/A
LEL: N/A
UEL: N/A

Use Class D rated extinguisher.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

Suspensions of aluminum dust in air may pose a explosion hazard. Aluminum fines are combustible and are difficult to extinguish.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

Uncoated 5154A Screen, Standard Aluminum Screen, Lite Kote, Grill Cloth, Vent Mesh

SDS Number: PI-SDS-M530

Revision Date: 8/17/2018

Page 3 of 5

7 HANDLING AND STORAGE

Handling Precautions: Screen is electrically conductive

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Aluminum colored woven screen.

Physical State: Solid

Solubility: Insoluble in water

Viscosity: Solid

Bulk Density: (water=1) 2.5-2.9

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents, Strong Acids, Acid Chlorides, Strong Bases, Chlorinated Hydrocarbons, and Alcohols.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, metal fumes, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

Uncoated 5154A Screen, Standard Aluminum Screen, Lite Kote, Grill Cloth, Vent Mesh

SDS Number: PI-SDS-M530

Revision Date: 8/17/2018

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12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

RECYCLE

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

7429-90-5	92-99%	Aluminum
7439-96-5	.05-1.4%	Manganese
7440-47-3	.04-.35%	Chromium

CERCLA (Comprehensive Response Compensation, and Liability Act)

7429-90-5	92-99%	Aluminum
7439-96-5	.05-1.4%	Manganese
7440-47-3	.04-.35%	Chromium

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

7429-90-5	92-99%	Aluminum
7439-96-5	.05-1.4%	Manganese
7440-47-3	.04-.35%	Chromium

*Aluminum (7429905 92-99%) EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

*Magnesium (7439954 0.2-5.6%) MASS, PA, TSCA

*Manganese (7439965 .05-1.4%) MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR



Safety Data Sheet

Uncoated 5154A Screen, Standard Aluminum Screen, Lite Kote, Grill Cloth, Vent Mesh

SDS Number: PI-SDS-M530

Revision Date: 8/17/2018

Page 5 of 5

*Chromium (7440473 .04-.35%) CERCLA, EPCRAWPC, HWRCRA, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

CERCLA = Superfund clean up substance

EPCRAWPC = EPCRA Water Priority Chemicals

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHAWAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

PRIPOL = Clean Water Act Priority Pollutants

SARA313 = SARA 313 Title III Toxic Chemicals

TOXICPOL = Clean Water Act Toxic Pollutants

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

HWRCRA = RCRA Hazardous Wastes

NRC = Nationally Recognized Carcinogens

16

OTHER INFORMATION

THE INFORMATION IN THIS SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. PHIFER INCORPORATED BELIEVES THIS INFORMATION TO BE RELIABLE AND UP-TO-DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT PHIFER INCORPORATED AT THE NUMBER LISTED BELOW TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

PHIFER INCORPORATED
P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120



Safety Data Sheet

Perma Kote, Vent Mesh, Grill Cloth

SDS Number: PI-SDS-M510

Revision Date: 8/17/2018

Page 1 of 5

1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: Perma Kote, Vent Mesh, Grill Cloth
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-M510
Product Code: PI-SDS-M510
Product Use: Insect Screening

2

HAZARDS IDENTIFICATION

Route of

Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Solid Aluminum does not present an inhalation hazard. Aluminum dusts generated during the use are considered nuisance particles.

Skin Contact: Skin contact with hot metal can cause burns.

Eye Contact: Aluminum dust can irritate the eyes (mechanical abrasion).

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name	
7429-90-5	92-99%	Aluminum	OSHA: PEL 5mg/cubic meter
7439-95-4	0.2-5.6%	Magnesium	OSHA: PEL 15mg/cubic meter
7439-96-5	.05-1.4%	Manganese	OSHA: PEL 5mg/cubic meter
7440-47-3	.04-.35%	Chromium	OSHA: PEL 0.5mg/cubic meter
NA	Balance	Proprietary Coating	

Consists of 5154A aluminum wire coated with a very thin coating of an epoxy or polyester powder coating.

4 FIRST AID MEASURES

- Inhalation: Solid aluminum does not present an inhalation hazard. Aluminum dusts generated during the use are considered nuisance particles.
- Skin Contact: Skin contact with hot metal can cause burns.
- Eye Contact: Aluminum dust can irritate the eyes (mechanical abrasion). Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
- Ingestion: Consult physician.

5 FIRE FIGHTING MEASURES

- Flash Point: N/A
- Flash Point Method: N/A
- Burning Rate: Negligible
- Autoignition Temp: N/A
- LEL: N/A
- UEL: N/A

Use Class D rated extinguisher.
Wear SCBA and appropriate PPE when exposed to products of decomposition.

Suspensions of aluminum dust in air may pose a explosion hazard. Aluminum fines are combustible and are difficult to extinguish.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

7 HANDLING AND STORAGE

Handling Precautions: Screen is electrically conductive

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black or charcoal colored woven screen.

Physical State: Solid

Solubility: Insoluble in water

Viscosity: Solid

Bulk Density: (water=1) 2.5-2.9

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents, Strong Acids, Acid Chlorides, Strong Bases, Chlorinated Hydrocarbons, and Alcohols.

Hazardous Decomposition: Combustion will produce CO₂, CO, HCN, metal fumes, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

RECYCLE

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

7429-90-5	92-99%	Aluminum
7439-96-5	.05-1.4%	Manganese
7440-47-3	.04-.35%	Chromium

CERCLA (Comprehensive Response Compensation, and Liability Act)

7429-90-5	92-99%	Aluminum
7439-96-5	.05-1.4%	Manganese
7440-47-3	.04-.35%	Chromium

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

7429-90-5	92-99%	Aluminum
7439-96-5	.05-1.4%	Manganese
7440-47-3	.04-.35%	Chromium

*Aluminum (7429905 92-99%) EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

*Magnesium (7439954 0.2-5.6%) MASS, PA, TSCA

*Manganese (7439965 .05-1.4%) MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

*Chromium (7440473 .04-.35%) CERCLA, EPCRAWPC, HWRCRA, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

CERCLA = Superfund clean up substance

EPCRAWPC = EPCRA Water Priority Chemicals

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHAWAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

PRIPOL = Clean Water Act Priority Pollutants

SARA313 = SARA 313 Title III Toxic Chemicals

TOXICPOL = Clean Water Act Toxic Pollutants

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

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PHIFER INCORPORATED
P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120

Backerboard Plastisol

SDS Number: PI-SDS-T900

Revision Date: 8/17/2018

Page 1 of 5

1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: Backerboard Plastisol
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-T900
Product Code: PI-SDS-T900
Product Use: Coating for Backerboard Mesh

2

HAZARDS IDENTIFICATION

Route of

Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Short-term harmful health effects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: May irritate skin. Avoid prolonged or repeated contact with skin.

Eye Contact: No evidence of harmful effects anticipated from available information.

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

P337 - If eye irritation persists: flush with water

Backerboard Plastisol

SDS Number: PI-SDS-T900

Revision Date: 8/17/2018

Page 2 of 5

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT. %</u>	<u>CAS Registry #</u>
Backerboard Plastisol (vinyl coating)	100	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

OSHA PEL

ACGIH TLV

Backerboard Plastisol (vinyl coating): not determined

-

Consists of a proprietary mixture of PVC resin, phthalate plasticizers, non-lead mixed metal and other heat and weathering stabilizers, pigments, fillers, viscosity control agents, bonding additive and hydrocarbon diluents.

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point: <200°F

Burning Rate: Will not burn in the absence of an independent flame source.

Autoignition Temp: N/A

LEL: N/A

UEL: N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

Backerboard Plastisol

SDS Number: PI-SDS-T900

Revision Date: 8/17/2018

Page 3 of 5

6 ACCIDENTAL RELEASE MEASURES

Contain spill and pick up and transfer to containers for recovery if uncontaminated or disposal if contaminated. If necessary, dike and contain spill with absorbent or inert material.

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Impervious protective gloves required for prolonged or repeated contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Physical State:	Liquid
Solubility:	Insoluble in water
Spec Grav./Density:	1.19
Viscosity:	@ 20 rpm 800-1000
Percent Volatile:	< 6% (by weight)

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

Backerboard Plastisol

SDS Number: PI-SDS-T900

Revision Date: 8/17/2018

Page 4 of 5

11 TOXICOLOGICAL INFORMATION

Data not available

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it does meet the criteria of a hazardous waste as defined under 40 CFR 261.

14 TRANSPORT INFORMATION

DOT Class: Combustible Liquids, n.o.s.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.

Backerboard Plastisol

SDS Number: PI-SDS-T900

Revision Date: 8/17/2018

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16

OTHER INFORMATION

THE INFORMATION IN THIS SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. PHIFER INCORPORATED BELIEVES THIS INFORMATION TO BE RELIABLE AND UP-TO-DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT PHIFER INCORPORATED AT THE NUMBER LISTED BELOW TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

PHIFER INCORPORATED
P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120



Safety Data Sheet

Phiferglass Backerboard Mesh

SDS Number: PI-SDS-T125

Revision Date: 8/17/2018

Page 1 of 5

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: Phiferglass Backerboard Mesh
Revision Date: 8/17/2018
Version: 4
SDS Number: PI-SDS-T125
Product Code: PI-SDS-T125
Product Use: Backerboard Fabric

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin;

Inhalation: Short-term harmful health affects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: Fibers in core yarn may irritate skin

Eye Contact: May cause irritation.

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.
P337 - If eye irritation persists: flush with water

Phiferglass Backerboard Mesh

SDS Number: PI-SDS-T125

Revision Date: 8/17/2018

Page 2 of 5

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT. %</u>	<u>CAS Registry #</u>
Fiberglass Core Yarn	38-45	NA
Backerboard Vinyl Coating	55-62	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Fiberglass Core Yarn:	no restriction	--
Backerboard Vinyl Coating:	not determined	--

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: Will not burn in the absence of an independent flame source.

Autoignition Temp: N/A

LEL: N/A

UEL: N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

Phiferglass Backerboard Mesh

SDS Number: PI-SDS-T125

Revision Date: 8/17/2018

Page 3 of 5

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Woven fabric
Physical State:	Solid
Odor:	New vinyl
Solubility:	Insoluble in water
Viscosity:	Solid

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

Phiferglass Backerboard Mesh

SDS Number: PI-SDS-T125

Revision Date: 8/17/2018

Page 4 of 5

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.



Safety Data Sheet

Phiferglass Backerboard Mesh

SDS Number: PI-SDS-T125

Revision Date: 8/17/2018

Page 5 of 5

16

OTHER INFORMATION

THE INFORMATION IN THIS SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. PHIFER INCORPORATED BELIEVES THIS INFORMATION TO BE RELIABLE AND UP-TO-DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT PHIFER INCORPORATED AT THE NUMBER LISTED BELOW TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

PHIFER INCORPORATED
P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120

Epoxy Coated 1006B Low Carbon Steel

SDS Number: PI-SDS-M800

Revision Date: 8/17/2018

Page 1 of 8

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: Epoxy Coated 1006B Low Carbon Steel
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-M800
Product Code: PI-SDS-M800
Product Use: Filter media and other industrial uses

2 HAZARDS IDENTIFICATION

- Route of Entry:** Eyes; Ingestion; Inhalation; Skin
- Target Organs:** Overexposure to specific components of this product that are generated in dusts or fumes may cause adverse effects to the following organs or systems: eyes, skin, liver, kidney, central nervous system, cardiovascular system, respiratory system.
- Inhalation:** Solid steel does not present an inhalation hazard.
Dusts may cause irritation of the nose, throat, and lungs. Excessive inhalation of metallic fumes and dusts may result in metal fume fever, an influenza-like illness. It is characterized by a sweet or metallic taste in the mouth, accompanied by dryness and irritation of the throat, cough, shortness of breath, pulmonary edema, general malaise, weakness, fatigue, muscle and joint pains, blurred vision, fever and chills. Typical symptoms last from 12 to 48 hours.
- Skin Contact:** Dusts or particulates may cause mechanical irritation due to abrasion. Coated steel may cause skin irritation in sensitive individuals (see Section 16 for additional information.) Some components in this product are capable of causing an allergic reaction, possibly resulting in burning, itching and skin eruptions. Contact with heated material may cause thermal burns.
- Eye Contact:** Dusts or particulates may cause mechanical irritation including pain, tearing, and redness. Scratching of the cornea can occur if eye is rubbed. Fumes may be irritating. Contact with the heated material may cause thermal burns.
- Ingestion:** Not expected to be acutely toxic via ingestion based on the physical and chemical

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properties of the product. Swallowing of excessive amounts of the dust may cause irritation, nausea, and diarrhea.

GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:

- Health, Carcinogenicity, 2
- Health, Specific target organ toxicity - Repeated exposure, 1
- Health, Respiratory or skin sensitization, 1 Skin

GHS Phrases:

- H351 - Suspected of causing cancer
- H372 - Causes damage to organs through prolonged or repeated exposure
- H317 - May cause an allergic skin reaction

GHS Precautionary Statements:

- P281 - Use personal protective equipment as required.
- P202 - Do not handle until all safety precautions have been read and understood.
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
- P308+313 - IF exposed or concerned: Get medical advice/attention.

Chronic or Special Toxic Effects

Repeated exposure to fine dusts may inflame the nasal mucosa and cause changes to the lung. In addition, a red-brown pigmentation of the eye and/or skin may occur. Welding fumes have been associated with adverse health effects. Contains components that may cause cancer or reproductive effects. The following components are listed by NTP, OSHA, or IARC as carcinogens: Nickel, chromium (hexavalent), cobalt, lead, cadmium, antimony (trioxide), arsenic, beryllium. See Section 11, for additional, specific information on effects noted above.

Medical Conditions Aggravated by Exposure

Diseases of the skin such as eczema may be aggravated by exposure. Also, disorders of the respiratory system including asthma, bronchitis, and emphysema. Long-term inhalation exposure to agents that cause pneumoconiosis (e.g. dust) may act synergistically with inhalation of oxide fumes or dusts of this product.

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
7439-89-6	99.43-99.75	Iron
7439-96-5	.025-.040%	Manganese
7440-44-0	0.08%	Carbon
7440-21-3	0.05%	Silicon
7723-14-0	0.04%	Phosphorus
NA	Balance	Proprietary Epoxy Coating

Consists of 1006b steel wire coated with a very thin proprietary epoxy coating.

4 FIRST AID MEASURES

- Inhalation:** In case of overexposure to dusts or fumes, remove to fresh air. Get immediate medical attention if symptoms described in this SDS develop.
- Skin Contact:** In case of overexposure to dusts or particulates, wash with soap and plenty of water. Get medical attention if irritation develops or persists. If thermal burn occurs, flush area with cold water and get immediate medical attention.
- Eye Contact:** In case of overexposure to dusts or fumes, immediately flush eyes with plenty of water for at least 15 minutes occasionally lifting the eye lids. Get medical attention if irritation persists. Thermal burns should be treated as medical emergencies.
- Ingestion:** Not considered an ingestion hazard. However, if excessive amounts of dust or particulates are swallowed, treat symptomatically and supportively. Get medical attention.

5 FIRE FIGHTING MEASURES

Flash Point:	N/A
Flash Point Method:	N/A
Burning Rate:	N/A
Autoignition Temp:	N/A
LEL:	N/A
UEL:	N/A

Under normal conditions, steel products do not present fire or explosion hazards, and dust generated by handling steel products is oxidized and not combustible. Processing of steel product by some individual customers may produce potentially combustible dust that may represent a fire or explosion hazard.

Use Class D rated extinguisher.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

Suspensions of steel dust in air may pose a explosion hazard.

6 ACCIDENTAL RELEASE MEASURES

Emergency response is unlikely unless in the form of combustible dust. Avoid inhalation, eye, or skin contact of dusts by using appropriate precautions outlined in this SDS (see section 8). Fine turnings and small chips should be swept or vacuumed and placed into appropriate disposable containers. Keep fine dust or powder away from sources of ignition. Scrap should be reclaimed for recycling. Prevent materials from entering drains, sewers, or waterways. Specific standards and regulations may be applicable to materials generated by individual customer processes. As appropriate, these standards and regulations should be consulted for applicability.

7 HANDLING AND STORAGE

Handling Precautions: Screen is electrically conductive

Storage Requirements: Store at ambient temperature at atmospheric pressure.

Store away from strong oxidizers. Dusts and/or powders, alone, or combined with process specific fluids, may form explosive mixtures with air. Applicable Federal, state and local laws and regulations may require testing dust generated from processing of steel products to determine if it represents a fire or explosion hazard and to determine appropriate protection methods. Avoid breathing dusts or fumes.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

No permissible exposure limits (PEL) or threshold limit values (TLV) exist for steel. See Section 3 for component materials. Various grades of steel will contain different combinations of these elements.

Trace elements may also be present in minute amounts.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black or charcoal colored woven screen.

Physical State: Solid

Solubility: Insoluble in water

Freezing/Melting Pt.: 2800F

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Steel at temperatures above the melting point may liberate fumes containing oxides of iron and alloying elements. Avoid generation of airborne fume.

Materials to Avoid: Reacts with strong acids to form hydrogen gas. Do not store near strong oxidizers.

Hazardous Decomposition: Metallic fumes may be produced during welding, burning, grinding, and possibly machining or any situation with the potential for thermal decomposition. Refer to ANSI Z49.1

Hazardous Polymerization: Will not occur.

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11

TOXICOLOGICAL INFORMATION

The primary component of this product is iron. Long-term exposure to iron dusts or fumes can result in a condition called siderosis which is considered to be a benign pneumoconiosis. Symptoms may include chronic bronchitis, emphysema, and shortness of breath upon exertion. Penetration of iron particles in the skin or eye may cause an exogenous or ocular siderosis which may be characterized by a red-brown pigmentation of the affected area. Ingestion overexposures to iron may affect the gastrointestinal, nervous, and hematopoietic system and the liver. Iron and steel founding, but not iron or iron oxide, has been listed as carcinogenic (Group 1) by IARC.

When this product is welded, fumes are generated. Welding fumes may be different in composition from the original welding product, with the chief component being ordinary oxides of the metal being welded. Chronic health effects (including cancer) have been associated with the fumes and dusts of individual component metals (see above), and welding fumes as a general category have been listed by IARC as a carcinogen (Group 2B). There is also limited evidence that welding fumes may cause adverse reproductive and fetal effects. Evidence is stronger where welding materials contain known reproductive toxins, e.g., lead which may be present in the coating material of this product.

Breathing fumes or dusts of this product may result in metal fume fever, which is an illness produced by inhaling metal oxides. These oxides are produced by heating various metals including cadmium, zinc, magnesium, copper, antimony, nickel, cobalt, manganese, tin, lead, beryllium, silver, chromium, aluminum, selenium, iron, and arsenic. The most common agents involved are zinc and copper.

This product may contain small amounts of manganese. Prolonged exposure to manganese dusts or fumes is associated with "manganism", a Parkinson-like syndrome characterized by a variety of neurological symptoms including muscle spasms, gait disturbances, tremors, and psychoses.

This product may contain small amounts of cadmium. Primary target organs for cadmium overexposure are the lung and the kidney. Because of its cumulative nature, chronic cadmium poisoning can cause serious disease which takes many years to develop and may continue to progress despite cessation of exposure. Progression of the disease may not reflect current exposure conditions. It is also capable of causing a painful osteomalacia called "Itai-Itai" in postmenopausal women, and has caused developmental effects and/or reproductive effects in male and female animals. Cadmium is a listed carcinogen by NTP, OSHA, and IARC (Group 1).

This product may contain small amounts of chromium. Prolonged and repeated overexposure to chromium dusts or fumes may cause skin ulcers, nasal irritation and ulceration, kidney damage and cancer of the respiratory system. Chromium is skin sensitizer. Cancer is generally attributed to the hexavalent (+6) form of chromium which is listed as a carcinogen by NTP and IARC (Group 1).

This product may contain small amounts of nickel. Prolonged and repeated contact with nickel may cause sensitization dermatitis. Inhalation of nickel compounds has caused lung damage as well as sinus, nasal and lung cancer in laboratory animals. Nickel is a listed carcinogen by NTP and IARC (Group 1).

This product may contain small amounts of vanadium. Adverse effects from dermal, inhalation or parenteral exposure to various vanadium compounds have been reported. The major target for vanadium pentoxide toxicity is the respiratory tract. Fumes or dust can cause severe eye and respiratory irritation, and systemic effects. Chronic bronchitis, green tongue, conjunctivitis, pharyngitis, rhinitis, rales, chronic productive cough, and tightness of the chest have been reported following overexposure. Allergic reactions resulting from skin and inhalation exposures have also been reported. A statistical association between vanadium air levels and lung cancer has been suggested, but vanadium currently is not regarded as a human carcinogen.

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This product may contain small amounts of lead. Lead can accumulate in the body. Consequently, exposure to fumes or dust may produce signs of polyneuritis, diminished vision and peripheral neuropathy, such as tingling and loss of feeling in fingers, arms and legs. Lead is a known reproductive and developmental toxin. It is also associated with central nervous system disorders, anemia, kidney dysfunction and neurobehavioral abnormalities. The brain is a major target organ for lead exposure. Elemental lead is listed as an IARC 2B carcinogen.

The product may contain small amounts of copper. Copper dust and fumes can irritate the eyes, nose and throat causing coughing, wheezing, nosebleeds, ulcers and metal fume fever. Other effects from repeated inhalation of copper fumes include a metallic or sweet taste, and discoloration of skin, teeth or hair. Copper also may cause an allergic skin reaction. Overexposure to copper can affect the liver.

12

ECOLOGICAL INFORMATION

Aquatic Ecotoxicological Data - No specific information available on this product.

Environmental Fate Data - No specific information available on this product.

13

DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. Dispose in accordance with federal, state, and local health and environmental regulations. Prevent materials from entering drains, sewers, or waterways.

RECYCLE

14

TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15

REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.



Safety Data Sheet

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7439-89-6 | 99.43-99.75 | Iron

7439-96-5 | .05-1.4% | Manganese

CERCLA (Comprehensive Response Compensation, and Liability Act)

7439-96-5 | .05-1.4% | Manganese

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

7439-96-5 | .05-1.4% | Manganese

*Manganese (7439965 .05-1.4%) MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

*Iron (7439896 n/a%) TSCA

CERCLA = Superfund clean up substance

EPCRAWPC = EPCRA Water Priority Chemicals

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHA WAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

PRIPOL = Clean Water Act Priority Pollutants

SARA313 = SARA 313 Title III Toxic Chemicals

TOXICPOL = Clean Water Act Toxic Pollutants

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

HWRORA = RCRA Hazardous Wastes

NRC = Nationally Recognized Carcinogens

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OTHER INFORMATION

THE INFORMATION IN THIS SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. PHIFER INCORPORATED BELIEVES THIS INFORMATION TO BE RELIABLE AND UP-TO-DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT PHIFER INCORPORATED AT THE NUMBER LISTED BELOW TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

PHIFER INCORPORATED
P.O. BOX 1700
TUSCALOOSA, AL 35403

(205) 345-2120

Arlyn

SDS Number: PI-SDS-T145

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PHIFER INCORPORATED
P.O. Box 1700
Tuscaloosa, AL 35403

Phone: 205/345-2120
Web: www.Phifer.com

Product Name: Arlyn
Revision Date: 8/17/2018
Version: 3
SDS Number: PI-SDS-T145
Product Code: PI-SDS-T145
Product Use: Safety netting

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin

Inhalation: Short-term harmful health affects are not expected from vapor generated during normal use at ambient temperature.

Skin Contact: Fibers in core yarn may irritate skin

Eye Contact: May cause irritation.

Ingestion: Consult physician

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.
P337 - If eye irritation persists: flush with water

Arlyn

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

	<u>WT. %</u>	<u>CAS Registry #</u>
Polyester Core Yarn	21-23	NA
Vinyl Coating	77-79	NA

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

OSHA EXPOSURE LIMITS 8 hrs. TWA (ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Polyester Core Yarn:	no restriction	--
Vinyl Coating:	not determined	--

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until all chemical is removed.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Not a direct hazard.

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: Will not burn in the absence of an independent flame source.

Autoignition Temp: N/A

LEL: N/A

UEL: N/A

Use foam, dry chemical, or water fog.

Wear SCBA and appropriate PPE when exposed to products of decomposition.

Hazardous Combustion Products:

Hydrogen chloride, carbon monoxide, carbon dioxide and small amounts of benzene and aromatic and aliphatic hydrocarbons

6 ACCIDENTAL RELEASE MEASURES

This product requires no special spill handling procedures.

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition.

Storage Requirements: Store at ambient temperature at atmospheric pressure.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General mechanical room ventilation is expected to be satisfactory.

Personal Protective

Equip: Not required for intended use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Textured fabric of varying colors.

Physical State: Solid

Odor: New vinyl

Solubility: Insoluble in water

Viscosity: Solid

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoid: Strong Oxidizing Agents.

Hazardous

Decomposition: Combustion will produce CO₂, CO, HCN, and other hazardous products.

Hazardous

Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Data not available

12 ECOLOGICAL INFORMATION

Data not available

13 DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

DOT Class: Not regulated #

Not regulated by DOT.

15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

None.

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