



Roof Underlayment & House wrap

Safety Data Sheet



Arknt[®]



ARK SYNTHETICS INC.

Safety Data Sheet (SDS) –Arcno / Arcno Pro

1. Product and Company Identification

Product Name:	Arcno / Arcno Pro
Product Use:	Mechanically-attached synthetic roofing underlayment
Manufacturer / Supplier:	Ark Synthetics Inc.
Address:	2015 Main St, 2nd Floor, Vancouver, BC, CANADA, V5T 3C2
Phone:	778-681-0788
Email:	info@arksynthetics.com
Emergency Phone:	778-681-0788
SDS Prepared Date:	May 25, 2025

2. Hazard Identification

Classification: Not classified as hazardous under WHMIS 2015

Signal Word: None

Hazard Statements: None

Precautionary Statements: Handle with standard industrial hygiene practices.

3. Composition / Information on Ingredients

Arcno is a mechanically-attached synthetic roofing Arcno underlayment consisting of a non-woven polypropylene layer on the exposed side, a lamination layer, a polyethylene scrim applied with a coating layer on the sheathing side. It has a nominal weight of 2.25 lbs/100 sq.ft. The underlayment is available in rolls of 48 in. wide by 250 ft. long and is black colour.

Arcno Pro is a mechanically-attached synthetic roofing underlayment consisting of a non-woven polypropylene layer on the exposed side, a lamination layer, a polypropylene scrim applied with a coating layer on the sheathing side. It has a nominal weight of 2.79 lbs/100sq.ft. The underlayment is available in rolls of 48 in. wide by 250 ft. long and is black colour.

4. First-Aid Measures

Inhalation: Not expected to be hazardous. Move to fresh air if irritation occurs.

Skin Contact: Wash with soap and water if irritation occurs.

Eye Contact: Rinse with water if irritation occurs.

Ingestion: Not expected to be hazardous; seek medical attention if necessary.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical.

Specific Hazards: Combustible at high temperature.

Protective Equipment: Firefighters should wear standard protective gear.

6. Accidental Release Measures

Not hazardous. Collect and dispose of material according to local regulations.

7. Handling and Storage

Handling: Avoid cutting or shredding to minimize dust generation.

Storage: Store rolls in a dry, cool area away from ignition sources.

8. Exposure Controls / Personal Protection

Engineering Controls: Standard industrial ventilation.

Personal Protection: Gloves and safety glasses recommended during handling.

9. Physical and Chemical Properties

Form: Solid sheet / roll

Color: Grey

Odor: Odorless

Nominal Weight: Arcno 110 gsm, Arcno Pro 136 gsm

Roll Size: 1.22m × 76.2 m

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Open flame, high heat.

Hazardous Reactions: None known.

11. Toxicological Information

Not classified as hazardous. No known acute or chronic health effects.

12. Ecological Information

Expected to be non-hazardous to the environment. Dispose of properly.

13. Disposal Considerations

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

14. Transport Information

Not regulated as a hazardous material for transportation.

15. Regulatory Information

WHMIS 2015: Non-hazardous.

Other Applicable Canadian Regulations: None known.

16. Other Information

SDS prepared based on product composition and intended industrial use.

Revision: 1.0

Date Issued: May 25, 2025

17. Disclaimer

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ARK SYNTHETICS INC.

Safety Data Sheet (SDS) – Armour

1. Product and Company Identification

Product Name:	Armour
Product Use:	Mechanically-attached synthetic roofing underlayment
Manufacturer / Supplier:	Ark Synthetics Inc.
Address:	2015 Main St, 2nd Floor, Vancouver, BC, CANADA, V5T 3C2
Phone:	778-681-0788
Email:	info@arksynthetics.com
Emergency Phone:	778-681-0788
SDS Prepared Date:	May 25, 2025

2. Hazard Identification

Classification: Not classified as hazardous under WHMIS 2015

Signal Word: None

Hazard Statements: None

Precautionary Statements: Handle with standard industrial hygiene practices.

3. Composition / Information on Ingredients

Armour is a mechanically-attached synthetic roofing underlayment consisting of white woven fabric, grey PP and grey mesh fabric. It has a nominal weight of 120gsm/180gsm. The underlayment is available in rolls of 48 in. wide by 250 ft. long and is grey colour.

4. First-Aid Measures

Inhalation: Not expected to be hazardous. Move to fresh air if irritation occurs.

Skin Contact: Wash with soap and water if irritation occurs.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical.

Specific Hazards: Combustible at high temperature.

Protective Equipment: Firefighters should wear standard protective gear.

6. Accidental Release Measures

Not hazardous. Collect and dispose of material according to local regulations.

7. Handling and Storage

Handling: Avoid cutting or shredding to minimize dust generation.

Storage: Store rolls in a dry, cool area away from ignition sources.

8. Exposure Controls / Personal Protection

Engineering Controls: Standard industrial ventilation.

Personal Protection: Gloves and safety glasses recommended during handling.

9. Physical and Chemical Properties

Form: Solid sheet / roll

Color: Grey

Odor: Odorless

Nominal Weight: Armour 120 gsm

Roll Size: 1.22 m × 76.2 m

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Open flame, high heat.

Hazardous Reactions: None known.

11. Toxicological Information

Not classified as hazardous. No known acute or chronic health effects.

12. Ecological Information

Expected to be non-hazardous to the environment. Dispose of properly.

13. Disposal Considerations

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

14. Transport Information

Not regulated as a hazardous material for transportation.

15. Regulatory Information

WHMIS 2015: Non-hazardous.

Other Applicable Canadian Regulations: None known.

16. Other Information

SDS prepared based on product composition and intended industrial use.

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ARK SYNTHETICS INC.

Safety Data Sheet (SDS) –Armour AD Pro

1. Product and Company Identification

Product Name:	Armour AD Pro
Product Use:	Self-adhered synthetic roofing underlayment
Manufacturer / Supplier:	Ark Synthetics Inc.
Address:	2015 Main St, 2nd Floor, Vancouver, BC, CANADA, V5T 3C2
Phone:	778-681-0788
Email:	info@arksynthetics.com
Emergency Phone:	778-681-0788
SDS Prepared Date:	May 25, 2025

2. Hazard Identification

Classification: Not classified as hazardous under WHMIS 2015

Signal Word: None

Hazard Statements: None

Precautionary Statements: Handle with standard industrial hygiene practices.

3. Composition / Information on Ingredients

Armour AD Pro is a self-adhered synthetic roofing underlayment consisting of a polypropylene mesh on the exposed side, a lamination layer, a polypropylene scrim, and a butyl layer on the sheathing side which is protected by a removable release liner made of silicon-coated paper. It has a nominal weight of 801 gsm (16.41 lbs/100sq.ft). The underlayment is available in rolls of 35.8 in. wide by 67 ft. long and is grey colour.

4. First-Aid Measures

Inhalation: Not expected to be hazardous. Move to fresh air if irritation occurs.

Skin Contact: Wash with soap and water if irritation occurs.

Eye Contact: Rinse with water if irritation occurs.

Ingestion: Not expected to be hazardous; seek medical attention if necessary.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical.

Specific Hazards: Combustible at high temperature.

Protective Equipment: Firefighters should wear standard protective gear.

6. Accidental Release Measures

Not hazardous. Collect and dispose of material according to local regulations.

7. Handling and Storage

Handling: Avoid cutting or shredding to minimize dust generation.

Storage: Store rolls in a dry, cool area away from ignition sources.

8. Exposure Controls / Personal Protection

Engineering Controls: Standard industrial ventilation.

Personal Protection: Gloves and safety glasses recommended during handling.

9. Physical and Chemical Properties

Form: Solid sheet / roll

Color: Grey

Odor: Odorless

Nominal Weight: Armour AD Pro 801 gsm

Roll Size: 0.91 m × 20.42 m

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Open flame, high heat.

Hazardous Reactions: None known.

11. Toxicological Information

Not classified as hazardous. No known acute or chronic health effects.

12. Ecological Information

Expected to be non-hazardous to the environment. Dispose of properly.

13. Disposal Considerations

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

14. Transport Information

Not regulated as a hazardous material for transportation.

15. Regulatory Information

WHMIS 2015: Non-hazardous.

Other Applicable Canadian Regulations: None known.

16. Other Information

SDS prepared based on product composition and intended industrial use.

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ARK SYNTHETICS INC.

Safety Data Sheet (SDS) –BreaEase

1. Product and Company Identification

Product Name:	BreaEase
Product Use:	Mechanically attached building wrap
Manufacturer / Supplier:	Ark Synthetics Inc.
Address:	2015 Main St, 2nd Floor, Vancouver, BC, CANADA, V5T 3C2
Phone:	778-681-0788
Email:	info@arksynthetics.com
Emergency Phone:	778-681-0788
SDS Prepared Date:	May 25, 2025

2. Hazard Identification

Classification: Not classified as hazardous under WHMIS 2015

Signal Word: None

Hazard Statements: None

Precautionary Statements: Handle with standard industrial hygiene practices.

3. Composition / Information on Ingredients

BreaEase is a mechanically-attached synthetic roofing underlayment consisting of PP non-woven fabric and fireproof breathable film. It has a nominal weight of 110gsm. The underlayment is available in rolls of 9ft*150ft and is white colour.

4. First-Aid Measures

Inhalation: Not expected to be hazardous. Move to fresh air if irritation occurs.

Skin Contact: Wash with soap and water if irritation occurs.

Eye Contact: Rinse with water if irritation occurs.

Ingestion: Not expected to be hazardous; seek medical attention if necessary.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical.

Specific Hazards: Combustible at high temperature.

Protective Equipment: Firefighters should wear standard protective gear.

6. Accidental Release Measures

Not hazardous. Collect and dispose of material according to local regulations.

7. Handling and Storage

Handling: Avoid cutting or shredding to minimize dust generation.

Storage: Store rolls in a dry, cool area away from ignition sources.

8. Exposure Controls / Personal Protection

Engineering Controls: Standard industrial ventilation.

Personal Protection: Gloves and safety glasses recommended during handling.

9. Physical and Chemical Properties

Form: Solid sheet / roll

Color: white

Odor: Odorless

Nominal Weight: BreaEase 110 gsm

Roll Size: 9ft × 150ft

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Open flame, high heat.

Hazardous Reactions: None known.

11. Toxicological Information

Not classified as hazardous. No known acute or chronic health effects.

12. Ecological Information

Expected to be non-hazardous to the environment. Dispose of properly.

13. Disposal Considerations

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

14. Transport Information

Not regulated as a hazardous material for transportation.

15. Regulatory Information

WHMIS 2015: Non-hazardous.

Other Applicable Canadian Regulations: None known.

16. Other Information

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ARK SYNTHETICS INC.

Safety Data Sheet (SDS) –Breasa

1. Product and Company Identification

Product Name:	Breasa
Product Use:	Mechanically attached building wrap
Manufacturer / Supplier:	Ark Synthetics Inc.
Address:	2015 Main St, 2nd Floor, Vancouver, BC, CANADA, V5T 3C2
Phone:	778-681-0788
Email:	info@arksynthetics.com
Emergency Phone:	778-681-0788
SDS Prepared Date:	May 25, 2025

2. Hazard Identification

Classification: Not classified as hazardous under WHMIS 2015

Signal Word: None

Hazard Statements: None

Precautionary Statements: Handle with standard industrial hygiene practices.

3. Composition / Information on Ingredients

Breasa is a mechanically-attached synthetic roofing underlayment consisting of PET flat non-woven fabric and UV breathable film. It has a nominal weight of 90gsm. The underlayment is available in rolls of 5 ft × 200 ft, 9 ft × 150 ft.

4. First-Aid Measures

Inhalation: Not expected to be hazardous. Move to fresh air if irritation occurs.

Skin Contact: Wash with soap and water if irritation occurs.

Eye Contact: Rinse with water if irritation occurs.

Ingestion: Not expected to be hazardous; seek medical attention if necessary.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical.

Specific Hazards: Combustible at high temperature.

Protective Equipment: Firefighters should wear standard protective gear.

6. Accidental Release Measures

Not hazardous. Collect and dispose of material according to local regulations.

7. Handling and Storage

Handling: Avoid cutting or shredding to minimize dust generation.

Storage: Store rolls in a dry, cool area away from ignition sources.

8. Exposure Controls / Personal Protection

Engineering Controls: Standard industrial ventilation.

Personal Protection: Gloves and safety glasses recommended during handling.

9. Physical and Chemical Properties

Form: Solid sheet / roll

Color: White

Odor: Odorless

Nominal Weight: Breasa 90 gsm

Roll Size: 5 ft × 200 ft, 9 ft × 150 ft

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Open flame, high heat.

Hazardous Reactions: None known.

11. Toxicological Information

Not classified as hazardous. No known acute or chronic health effects.

12. Ecological Information

Expected to be non-hazardous to the environment. Dispose of properly.

13. Disposal Considerations

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

14. Transport Information

Not regulated as a hazardous material for transportation.

15. Regulatory Information

WHMIS 2015: Non-hazardous.

Other Applicable Canadian Regulations: None known.

16. Other Information

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ARK SYNTHETICS INC.

Safety Data Sheet (SDS) –Breasmart AD

1. Product and Company Identification

Product Name:	Breasmart AD
Product Use:	Self-adhered building wrap
Manufacturer / Supplier:	Ark Synthetics Inc.
Address:	2015 Main St, 2nd Floor, Vancouver, BC, CANADA, V5T 3C2
Phone:	778-681-0788
Email:	info@arksynthetics.com
Emergency Phone:	778-681-0788
SDS Prepared Date:	May 25, 2025

2. Hazard Identification

Classification: Not classified as hazardous under WHMIS 2015

Signal Word: None

Hazard Statements: None

Precautionary Statements: Handle with standard industrial hygiene practices.

3. Composition / Information on Ingredients

Breasmart AD is a self-adhered synthetic building wrap consisting of Flame-retardant blue PP non-woven fabric, fireproof breathable film and flame-retardant white PP non-woven fabric. It has a nominal weight of 110gsm. The building wrap is available in rolls of 0.95 m × 30 m and is blue and white colour.

4. First-Aid Measures

Inhalation: Not expected to be hazardous. Move to fresh air if irritation occurs.

Skin Contact: Wash with soap and water if irritation occurs.

Eye Contact: Rinse with water if irritation occurs.

Ingestion: Not expected to be hazardous; seek medical attention if necessary.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical.

Specific Hazards: Combustible at high temperature.

Protective Equipment: Firefighters should wear standard protective gear.

6. Accidental Release Measures

Not hazardous. Collect and dispose of material according to local regulations.

7. Handling and Storage

Handling: Avoid cutting or shredding to minimize dust generation.

Storage: Store rolls in a dry, cool area away from ignition sources.

8. Exposure Controls / Personal Protection

Engineering Controls: Standard industrial ventilation.

Personal Protection: Gloves and safety glasses recommended during handling.

9. Physical and Chemical Properties

Form: Solid sheet / roll

Color: Blue and white

Odor: Odorless

Nominal Weight: Breasmart AD 110 gsm

Roll Size: 0.95 m × 30 m

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Open flame, high heat.

Hazardous Reactions: None known.

11. Toxicological Information

Not classified as hazardous. No known acute or chronic health effects.

12. Ecological Information

Expected to be non-hazardous to the environment. Dispose of properly.

13. Disposal Considerations

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

14. Transport Information

Not regulated as a hazardous material for transportation.

15. Regulatory Information

WHMIS 2015: Non-hazardous.

Other Applicable Canadian Regulations: None known.

16. Other Information

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ARK SYNTHETICS INC.

Safety Data Sheet (SDS) –Sapphire

1. Product and Company Identification

Product Name:	Sapphire
Product Use:	Mechanically-attached synthetic roofing underlayment
Manufacturer / Supplier:	Ark Synthetics Inc.
Address:	2015 Main St, 2nd Floor, Vancouver, BC, CANADA, V5T 3C2
Phone:	778-681-0788
Email:	info@arksynthetics.com
Emergency Phone:	778-681-0788
SDS Prepared Date:	May 25, 2025

2. Hazard Identification

Classification: Not classified as hazardous under WHMIS 2015

Signal Word: None

Hazard Statements: None

Precautionary Statements: Handle with standard industrial hygiene practices.

3. Composition / Information on Ingredients

Sapphire is a mechanically-attached synthetic roofing underlayment consisting of a unique copolyester non-woven fabric and a polyethylene coating. The underlayment is available in rolls of 1.5 m × 50 m, is white and blue colour.

4. First-Aid Measures

Inhalation: Not expected to be hazardous. Move to fresh air if irritation occurs.

Skin Contact: Wash with soap and water if irritation occurs.

Eye Contact: Rinse with water if irritation occurs.

Ingestion: Not expected to be hazardous; seek medical attention if necessary.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical.

Specific Hazards: Combustible at high temperature.

Protective Equipment: Firefighters should wear standard protective gear.

6. Accidental Release Measures

Not hazardous. Collect and dispose of material according to local regulations.

7. Handling and Storage

Handling: Avoid cutting or shredding to minimize dust generation.

Storage: Store rolls in a dry, cool area away from ignition sources.

8. Exposure Controls / Personal Protection

Engineering Controls: Standard industrial ventilation.

Personal Protection: Gloves and safety glasses recommended during handling.

9. Physical and Chemical Properties

Form: Solid sheet / roll

Color: White and Blue

Odor: Odorless

Nominal Weight: Sapphire

Roll Size: 1.5 m × 50 m

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Open flame, high heat.

Hazardous Reactions: None known.

11. Toxicological Information

Not classified as hazardous. No known acute or chronic health effects.

12. Ecological Information

Expected to be non-hazardous to the environment. Dispose of properly.

13. Disposal Considerations

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

14. Transport Information

Not regulated as a hazardous material for transportation.

15. Regulatory Information

WHMIS 2015: Non-hazardous.

Other Applicable Canadian Regulations: None known.

16. Other Information

SDS prepared based on product composition and intended industrial use.

Revision: 1.0

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ARK SYNTHETICS INC.

Safety Data Sheet (SDS) –SilverGuard

1. Product and Company Identification

Product Name:	SilverGuard
Product Use:	Mechanically-attached synthetic roofing underlayment
Manufacturer / Supplier:	Ark Synthetics Inc.
Address:	2015 Main St, 2nd Floor, Vancouver, BC, CANADA, V5T 3C2
Phone:	778-681-0788
Email:	info@arksynthetics.com
Emergency Phone:	778-681-0788
SDS Prepared Date:	May 25, 2025

2. Hazard Identification

Classification: Not classified as hazardous under WHMIS 2015

Signal Word: None

Hazard Statements: None

Precautionary Statements: Handle with standard industrial hygiene practices.

3. Composition / Information on Ingredients

SilverGuard is a mechanically-attached synthetic roofing underlayment consisting of Aluminum foil, PE and grey bone wood non-woven fabric. The underlayment is available in rolls of 1.5 m × 50 m, is silver colour.

4. First-Aid Measures

Inhalation: Not expected to be hazardous. Move to fresh air if irritation occurs.

Skin Contact: Wash with soap and water if irritation occurs.

Eye Contact: Rinse with water if irritation occurs.

Ingestion: Not expected to be hazardous; seek medical attention if necessary.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical.

Specific Hazards: Combustible at high temperature.

Protective Equipment: Firefighters should wear standard protective gear.

6. Accidental Release Measures

Not hazardous. Collect and dispose of material according to local regulations.

7. Handling and Storage

Handling: Avoid cutting or shredding to minimize dust generation.

Storage: Store rolls in a dry, cool area away from ignition sources.

8. Exposure Controls / Personal Protection

Engineering Controls: Standard industrial ventilation.

Personal Protection: Gloves and safety glasses recommended during handling.

9. Physical and Chemical Properties

Form: Solid sheet / roll

Color: Silver

Odor: Odorless

Nominal Weight: SilverGuard

Roll Size: 1.5 m × 50 m

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Open flame, high heat.

Hazardous Reactions: None known.

11. Toxicological Information

Not classified as hazardous. No known acute or chronic health effects.

12. Ecological Information

Expected to be non-hazardous to the environment. Dispose of properly.

13. Disposal Considerations

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

14. Transport Information

Not regulated as a hazardous material for transportation.

15. Regulatory Information

WHMIS 2015: Non-hazardous.

Other Applicable Canadian Regulations: None known.

16. Other Information

SDS prepared based on product composition and intended industrial use.

Revision: 1.0

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ARK SYNTHETICS INC.

Safety Data Sheet (SDS) –SilverBarrier

1. Product and Company Identification

Product Name:	SilverBarrier
Product Use:	Mechanically-attached synthetic roofing underlaymentp
Manufacturer / Supplier:	Ark Synthetics Inc.
Address:	2015 Main St, 2nd Floor, Vancouver, BC, CANADA, V5T 3C2
Phone:	778-681-0788
Email:	info@arksynthetics.com
Emergency Phone:	778-681-0788
SDS Prepared Date:	May 25, 2025

2. Hazard Identification

Classification: Not classified as hazardous under WHMIS 2015

Signal Word: None

Hazard Statements: None

Precautionary Statements: Handle with standard industrial hygiene practices.

3. Composition / Information on Ingredients

SilverBarrier is a mechanically-attached synthetic roofing underlayment consisting of durable aluminum foil laminated to a high-strength woven fabric. The underlayment is available in rolls of 1.5 m × 50 m.

4. First-Aid Measures

Inhalation: Not expected to be hazardous. Move to fresh air if irritation occurs.

Skin Contact: Wash with soap and water if irritation occurs.

Eye Contact: Rinse with water if irritation occurs.

Ingestion: Not expected to be hazardous; seek medical attention if necessary.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical.

Specific Hazards: Combustible at high temperature.

Protective Equipment: Firefighters should wear standard protective gear.

6. Accidental Release Measures

Not hazardous. Collect and dispose of material according to local regulations.

7. Handling and Storage

Handling: Avoid cutting or shredding to minimize dust generation.

Storage: Store rolls in a dry, cool area away from ignition sources.

8. Exposure Controls / Personal Protection

Engineering Controls: Standard industrial ventilation.

Personal Protection: Gloves and safety glasses recommended during handling.

9. Physical and Chemical Properties

Form: Solid sheet / roll

Color: Silver

Odor: Odorless

Nominal Weight: SilverBarrier

Roll Size: 1.5 m × 50 m

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Open flame, high heat.

Hazardous Reactions: None known.

11. Toxicological Information

Not classified as hazardous. No known acute or chronic health effects.

12. Ecological Information

Expected to be non-hazardous to the environment. Dispose of properly.

13. Disposal Considerations

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

14. Transport Information

Not regulated as a hazardous material for transportation.

15. Regulatory Information

WHMIS 2015: Non-hazardous.

Other Applicable Canadian Regulations: None known.

16. Other Information

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Building Better Envelopes. Together.



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