

Section 1 - Product and Company Identification**Hazard Label** No label required**Company Information**Johns Manville
Roofing Systems
P.O. Box 5108
Denver, CO 80127 USATelephone: 303-978-2000 8:00AM-5:00PM M-F
Internet Address: <http://www.jm.com>
Emergency: 800-424-9300 (Chemtrec, In English)**Trade Names:** PermaFlash Scrim; SeamFree Scrim**Section 2 - Hazards Identification****Emergency Overview**

Under normal conditions of use and handling, this product is not expected to create any health or safety hazards.

Inhalation

Not expected under normal conditions of use.

Skin

Not expected under normal conditions of use.

Ingestion

Not expected under normal conditions of use.

Eyes

Not expected under normal conditions of use.

Section 3 - Composition/Information on Ingredients

CAS #	Component	Percent
Not Available	Polyethylene terephthalate polymer	100

General Product Description

Solid polyester stitch bonded and knit fabric. No odor.

Section 4 - First Aid Measures**First Aid: Inhalation**

None required

First Aid: Skin

None required

First Aid: Ingestion

None required

First Aid: Eyes

None required

Section 5 - Fire Fighting Measures**Flash Point:** Not determined**Upper Flammable Limit (UFL):** Not determined**Auto Ignition:** Not determined**Rate of Burning:** Not determined**General Fire Hazards**

There is no potential for spontaneous fire or explosion. If exposed to fire, product may melt and drops of molten product may cause burns.

Extinguishing MediaCarbon dioxide (CO₂), dry chemical.**Fire Fighting Equipment/Instructions**

No special procedures are expected to be necessary for this product. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases.

Method Used: Not determined**Lower Flammable Limit (LFL):** Not determined**Flammability Classification:** Not determined

Section 6 - Accidental Release Measures**Clean-Up Procedures**

Pick up large pieces. Vacuum dusts.

Section 7 - Handling and Storage**Handling Procedures**

Use protective equipment as described in Section 8 of this safety data sheet when handling uncontained material. Handle in accordance with good industrial hygiene and safety practices.

Storage Procedures

Warehouse storage should be in accordance with package directions, if any. Material should be kept clean, dry, and in original packaging.

Section 8 - Exposure Controls / Personal Protection**A: Component Exposure Limits**

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

PERSONAL PROTECTIVE EQUIPMENT**Personal Protective Equipment: Eyes/Face**

None required

Personal Protective Equipment: Skin

Leather or cotton gloves should be worn to protect against mechanical abrasion.

Personal Protective Equipment: Respiratory

None required

Ventilation

None required

Section 9 - Physical & Chemical Properties

Appearance:	Solid polyester fabric.	Odor:	No odor
Physical State:	Solid	pH:	Not applicable
Vapor Pressure:	Not applicable	Vapor Density:	Not applicable
Boiling Point:	Not applicable	Melting Point:	Not applicable
Solubility (H₂O):	Not applicable	Specific Gravity:	Not applicable
Freezing Point:	Not applicable	Evaporation Rate:	Not applicable
VOC:	Not applicable		

Section 10 - Stability & Reactivity Information**Stability**

These products are not reactive.

Hazardous Decomposition

This product will decompose at temperatures >300°C.

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information**Component Analysis - LD50/LC50**

No LD50/LC50's are available for this product's components.

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Section 12 - Ecological Information**Ecotoxicity****A: General Product Information**

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Section 13 - Disposal Considerations**US EPA Waste Number & Descriptions****A: General Product Information**

This product is not expected to be a hazardous waste when it is disposed of according to the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Product characterization after use is recommended to ensure proper disposal under federal and/or state requirements.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14 - Transport Information**International Transport Regulations**

These products are not classified as dangerous goods according to international transport regulations.

Section 15 - Regulatory Information**US Federal Regulations****A: General Product Information**

SARA 311/312: This product is not classified as hazardous under SARA 311/312.

B: Component Analysis

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations**A: General Product Information**

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

A: TSCA Status

This product and its components are listed on the TSCA 8(b) inventory.

None of the components listed in this product are listed on the TSCA Export Notification 12(b) list.

International Regulations**A: General Product Information**

These products are considered articles under both U.S. and international product regulations and as such, these products do not require registration or notification on the various country-specific inventories.

B: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

WHMIS Classification

This is not a WHMIS controlled product. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations. This SDS contains all the information required by the Controlled Products Regulations.

Section 16 - Other Information**Other Information**

Prepared for:
Johns Manville
Roofing Systems
P. O. Box 5108
Denver, CO USA 80217-5108

Prepared by:
Johns Manville Technical Center
P.O. Box 625005
Littleton, CO USA 80162-5005

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Date	MSDS #	Reason
07/07/05	3018-1.0000	New product. New MSDS.
12/08/09	3018-1.0001	Regulatory update. Added SeamFree Scrim to trade names.

End of Sheet 3018