

Name DuPont™ Tyvek® Spunbond Polyethylene



Product ID MSDS 15000002811 Classification 07 25 00.00 Thermal and Moisture Protection (insulation water barrier): Weather Barriers

Website www.tyvek.com

Manufacturer E.I. du Pont de Nemours and Company Contact Name James Chambers Title Product Manager

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Description Since the initial discovery in 1955 that led to Tyvek®, DuPont has been a recognized global leader in selective barrier technology. Lightweight and durable, DuPont™ Tyvek® has introduced new dimensions of protection, security and safety in a wide variety of industries. This Tyvek® spunbond polyethylene HPD covers the following: Tyvek® CommercialWrap®, Tyvek® CommercialWrap® D, Tyvek® Stuccowrap®, Tyvek® Homewrap®, and Tyvek® DrainWrap™.

Release Date 2014-12-01 Expiry Date 2017-12-01 HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/270/1496-20141201125420.pdf Self-declared Second Party Third Party Certifier Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 100 ppm (ideal), Measured 1000 ppm, Predicted by process chemistry, As per MSDS (1,000 & 10,000 ppm), Not disclosed, Other. Full Disclosure of Intentional Ingredients: Yes/No. Full Disclosure of Known Hazards: Yes/No. Disclosure Notes: See NOTES section on last page of this HPD for full-disclosure "MANUFACTURER INVENTORY" of all ingredients by name and Chemical Abstract Service (CAS) registry number or Proprietary Ingredients hazards associated with LT-1 / LT-P1 down to 0.1% (1000ppm), which meets the requirements of LEED v4 Materials & Resources, Building Product Disclosure and Optimization - Material Ingredients, OPTION #1: Material Ingredient Reporting.

Contents in Descending Order of Quantity

Undisclosed (Nonwoven Fabric)

Hazards: PBT (Persistent Bioaccumulative Toxic), Cancer, Gene Mutation, Development, Reproductive, Endocrine, Respiratory, Highest concern GreenScreen score - unknown: Neurotoxicity, Mammal, Skin or Eye, Aquatic toxicity, Land toxicity, Physical hazard, Global warming, Ozone depletion, Multiple, Unknown.

Total VOC Content: Material (g/L) N/A, Regulatory (g/L) N/A. Does the product contain exempt VOCs? N/A. Are there VOC-free tints available? N/A.

Notes

Certifications + Compliance

VOC Emissions Not tested VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

## CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists).

**GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
Undisclosed (Nonwoven Fabric)	Unknown	100 %		U	N	Body
Unknown	Not disclosed					
Polyethylene (CAS# 9002-88-4) and various proprietary additives, such as thermal and UV stabilizers , are included in this component. This product has no known adverse effect on human health. Additives in this product do not present a respiration hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled.						

## CERTIFICATIONS AND COMPLIANCE

**Certifying Party** = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

**Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			

Recycled Content	Not tested			
Other				

**ACCESSORY MATERIALS**

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
<b>Condition when required or recommended and/or other notes</b>	
DuPont™ Tyvek® Fluid Applied WB (VOC 25.00 g/L)	
DuPont™ Tyvek® Fluid Applied Weather Barrier Systems provide water and fluid applied air barrier protection designed for the unique demands of heavy commercial construction projects.	
DuPont™ Tyvek® Fluid Applied Flashing: Brush (VOC 25.00 g/L)	
Choose a high quality, lower viscosity fluid applied flashing that can be brushed on for improved protection of complex window openings including effective application around recessed windows.	
DuPont™ FlexWrap™ NF	
DuPont™ FlexWrap™ NF self-adhered flashing does not require mechanical fasteners, even in flexed corner areas around building openings. This allows it to provide easy, one-step insulation for hard-to-seal corners around windows and doors. FlexWrap™ NF is designed to help protect vulnerable corners against air and water intrusion, as part of a complete DuPont Building Envelope Solution.	
DuPont™ Tyvek® Wrap Caps	
DuPont™ Tyvek® Wrap Caps are the recommended fastening method for DuPont Weatherization Systems. They provide additional protection around fastener penetrations and increases fastener-holding power.	
DuPont™ Residential Sealant (VOC 16.00 g/L)	
As an integral part of a complete building envelope system, DuPont™ Residential Sealant helps control both air and water intrusion, to help make homes more comfortable, prevent water damage, and reduce heating and cooling costs.	
DuPont™ Tyvek® ThermaWrap™ R5.0	
DuPont™ Tyvek® ThermaWrap™ R5.0 offers the air and water management benefits of all DuPont™ Tyvek® weather barriers with an R-value of 5.0. Compared to other exterior insulation products, the unique structure of Tyvek® ThermaWrap™ R5.0 allows any moisture that may get inside the wall to dry and escape to the outside, helping to prevent the accumulation of water in the wall reducing the chance for water damage and mold.	
DuPont™ StraightFlash™	

DuPont™ StraightFlash™ door and window flashing provides premium protection against water intrusion. By sealing vulnerable areas around openings, StraightFlash™ can help improve the durability and energy efficiency of both homes and commercial structures.

DuPont™ StraightFlash™ VF

StraightFlash™ VF integrates easily with other DuPont weatherization products, including Tyvek® air and water barriers to help seal the building envelope. By protecting against water intrusion, StraightFlash™ VF helps prevent water damage to windows, doors. In addition, it can keep water out of wall systems and away from insulation, to improve both durability and energy efficiency.

DuPont™ Flashing Tape

DuPont™ Flashing Tape helps protect the heads and jambs of rectangular doors and windows from air and water intrusion. Wind-driven rain and outdoor air can find their way into walls around windows and doors. By helping to seal the building envelope, self-adhered DuPont™ Flashing Tape can help reduce the risk of water damage, increase building comfort, and improve energy efficiency.

Tyvek® Tape: Seam Tape

Choose the best seam tape for sealing DuPont™ Tyvek® weather barriers against air and water in both residential and commercial construction. Finish the building envelope with a superior seam tape – DuPont™ Tyvek® Tape.

DuPont™ Sealant for Tyvek® Fluid Applied System (VOC 25.00 g/L)

Is specifically designed for easy use with the DuPont™ Tyvek® Fluid Applied System: fills gaps around windows, doors and penetrations

DuPont™ Tyvek® Fluid Applied Flashing & Joint Compound (VOC 25.00 g/L)

Fluid Applied Flashing & Joint Compound is an integral part of the DuPont™ Tyvek® Fluid Fluid Applied system, combining the functions of both flashing and joint compound into a single unique product to help increase job site efficiency by preventing lost time and material waste.

**NOTES**

MANUFACTURER INVENTORY as per LEED v4 Materials & Resources, Building Product Disclosure and Optimization - Material Ingredients, OPTION #1: Material Ingredient Reporting. An inventory of all ingredients identified by name and Chemical Abstract Service Registration Number CASRN down to 0.1% (1000ppm) is provided in the following and contributes toward LEED v4: POLYETHYLENE, 9002-88-4, 98-100% // UV Stabilizer (PROPRIETARY INGREDIENT), LT-P1\*\*, German FEA - Substances Hazardous to Waters - Class 2 Hazard to Waters, Hazard level: Potential Concern, 0-2% // TOTAL=100% // Exposure to any hazards associated with the inputs mentioned are not present in the finished form of DuPont™ Tyvek Spunbond Polyethelene Products. // \*\*The Geenscreen® List Translator score of LT-P1 for any ingredient means that the database searched “possible BM1 and reflects the presence of the chemical on Screening A or B lists and some uncertainty about the classification for key endpoints. Further research is needed on the flagged endpoint...” <http://www.greenscreenchemicals.org/method/greenscreen-list-translator>