

D-BLAZE FIRE RETARDANT PRESSURE TREATED WOOD by Viance LLC.

Health Product Declaration v2.1

CLASSIFICATION: 06 10 00 Rough Carpentry

created via: HPDC Online Builder

PRODUCT DESCRIPTION: D-Blaze is a fire retardant water-borne solution that is pressure impregnated by wood preserving facilities into wood products to help contain the spread of smoke and fire, increasing the time that people have to evacuate and move to safety.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized
Percent Weight and Role Provided? Yes No

Screened
Using Priority Hazard Lists with Results Disclosed? Yes No

Identified
Name and Identifier Provided? Yes No

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | **SUBSTANCE** | *RESIDUAL OR IMPURITY*
GREENSCREEN SCORE | HAZARD TYPE

D-BLAZE FIRE RETARDANT PRESSURE TREATED WOOD [WOOD NoGS
BORIC ACID LT-1 | REP | DEL | MUL PHOSPHORUS PENTOXIDE LT-P1 |
SKI]

Number of Greenscreen BM-4/BM3 contents..... 0
Contents highest concern GreenScreen
Benchmark or List translator Score..... LT-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:
N/A

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Green Guard Gold D-BLAZE FIRE RETARDANT PRESSURE TREATED WOOD

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-11-03
PUBLISHED DATE: 2017-11-03
EXPIRY DATE: 2020-11-03

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

D-BLAZE FIRE RETARDANT PRESSURE TREATED WOOD

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residual and impurities have not been considered for D-Blaze fire retardant treated wood.

OTHER PRODUCT NOTES: D-Blaze is a fire retardant water-borne solution that is pressure impregnated by wood preserving facilities into wood products to help contain the spread of smoke and fire, increasing the time that people have to evacuate and move to safety.

WOOD

ID: **Not registered**

#: **90.0000 - 98.9800** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Substrate**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Untreated wood can be source from a myriad of different mills/sources.

BORIC ACID

ID: **11113-50-1**

#: **0.0100 - 5.0000** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Fire retardant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

REPRODUCTIVE

EU - R-phrases

R60 - May impair fertility

DEVELOPMENTAL

EU - R-phrases

R61 - May cause harm to the unborn child

REPRODUCTIVE

EU - SVHC Authorisation List

Toxic to reproduction - Candidate list

REPRODUCTIVE

EU - GHS (H-Statements)

H360FD - May damage fertility. May damage the unborn child

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

REPRODUCTIVE

EU - Annex VI CMRs

Reproductive Toxicity - Category 1B

REPRODUCTIVE

Australia - GHS

H360Fd - May damage fertility. Suspected of damaging the unborn child

SUBSTANCE NOTES: Fire retardant

PHOSPHORUS PENTOXIDE

ID: **1314-56-3**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
SKIN IRRITATION	EU - R-phrases	R35 - Causes severe burns
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Fire retardant

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	Green Guard Gold D-BLAZE FIRE RETARDANT PRESSURE TREATED WOOD		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2016-06-10	EXPIRY DATE: 2017-06-10	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: All			
CERTIFICATE URL: http://treatedwood.com/uploads/GreenGuard-Gold.pdf			
CERTIFICATION AND COMPLIANCE NOTES: Certificate number = 81162-420			

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

D-Blaze is a fire retardant wood treatment that is impregnated into framing lumber and plywood products by pressure process to reduce combustibility and smoke development, and is suitable for fire rated wall assemblies and interior applications where fire retardant construction materials are specified or required by building codes. D-Blaze® Fire Retardant Treated Wood (FRTW) is covered by a 50-year limited warranty, and is now GREENGUARD Gold certified for low chemical emissions. Highly effective in controlling the spread of flame and the smoke development caused by fire, D-Blaze FRTW shows no evidence of significant progressive combustion after 30 minutes exposure to flame. D-Blaze is UL® Classified with an FR-S rating for many wood species, for its low smoke development and low flame spread indexes. D-Blaze FRTW has been installed in many notable projects including the new One World Trade Center in NYC, the Sears Tower and Navy Pier in

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Viance LLC.**
ADDRESS: **8001 IBM Drive**
Charlotte North Carolina 28262, USA
WEBSITE: **<http://treatedwood.com/>**

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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.