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

CLASSIFICATION: 06 10 00 Rough Carpentry

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

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

Are All Substances Above the Threshold Indicated:
- Yes
- No

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
--- | --- | --- | --- | ---
WOOD | BORIC ACID | LT-1 | REP | DEL | MUL PHOSPHORUS PENTOXIDE | LT-P1 | SKI

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

PREPARATOR: Self-Prepared

VERIFIER:

VERIFICATION #:

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

D-BLAZE FIRE RETARDANT PRESSURE TREATED WOOD
hpdrepository.hpd-collaborative.org

HPD v2.1 created via HPDC Builder Page 1 of 5
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](http://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**

<table>
<thead>
<tr>
<th>%</th>
<th>ID: Not registered</th>
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<tbody>
<tr>
<td>90.0000 - 98.9800</td>
<td>NoGS</td>
</tr>
<tr>
<td>GS:</td>
<td>NoGS</td>
</tr>
<tr>
<td>RC:</td>
<td>UNK</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>ROLE:</td>
<td>Substrate</td>
</tr>
</tbody>
</table>

**HAZARDS:** None Found  
**AGENCY(IES) WITH WARNINGS:** No warnings found on HPD Priority lists

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

### BORIC ACID

<table>
<thead>
<tr>
<th>%</th>
<th>ID: 11113-50-1</th>
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<tbody>
<tr>
<td>0.0100 - 5.0000</td>
<td>LT-1</td>
</tr>
<tr>
<td>GS:</td>
<td>LT-1</td>
</tr>
<tr>
<td>RC:</td>
<td>UNK</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>ROLE:</td>
<td>Fire retardant</td>
</tr>
</tbody>
</table>

**HAZARDS:**

- **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 |

<table>
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</table>
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

<table>
<thead>
<tr>
<th>Green Guard Gold D-BLAZE FIRE RETARDANT PRESSURE TREATED WOOD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CERTIFYING PARTY:</strong> Third Party</td>
</tr>
<tr>
<td><strong>APPLICABLE FACILITIES:</strong> All</td>
</tr>
<tr>
<td><strong>CERTIFICATION AND COMPLIANCE NOTES:</strong> Certificate number = 81162-420</td>
</tr>
</tbody>
</table>

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...
Chicago, and offers a lower in-place cost than many non-combustible materials.

### Section 6: References

<table>
<thead>
<tr>
<th>MANUFACTURER INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MANUFACTURER: Viance LLC.</td>
</tr>
<tr>
<td>ADDRESS: 8001 IBM Drive</td>
</tr>
<tr>
<td>Charlotte North Carolina 28262, USA</td>
</tr>
<tr>
<td>WEBSITE: <a href="http://treatedwood.com/">http://treatedwood.com/</a></td>
</tr>
<tr>
<td>CONTACT NAME: Chris Kollwitz</td>
</tr>
<tr>
<td>TITLE: Product Manager</td>
</tr>
<tr>
<td>PHONE: 800-650-9323</td>
</tr>
<tr>
<td>EMAIL: <a href="mailto:ckollwitz@viance.net">ckollwitz@viance.net</a></td>
</tr>
</tbody>
</table>

### KEY

<table>
<thead>
<tr>
<th>OSHA MSDS</th>
<th>Occupational Safety and Health Administration Material Safety Data Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS SDS</td>
<td>Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet</td>
</tr>
</tbody>
</table>

#### Hazard Types

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

#### GreenScreen (GS)

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

#### 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

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The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental impacts.
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.