* * * Section 1 - IDENTIFICATION* * *

Product Identifier:

D-Blaze® Fire Retardant Pressure Treated Wood

Trade Names

D-Blaze Fire Retardant Solution

Recommended Use

Lumber

Restrictions on Use

None known

Manufacturer Information

Call Viance at 800.421.8661 for the wood treater nearest your location.

General Comments

NOTE: Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

* * * Section 2 - HAZARD(S) IDENTIFICATION* * *

Classification in accordance with 29 CFR 1910.1200.

Toxic to Reproduction, Category 1B
Carcinogen, Category 2
Eye Damage / Irritation, Category 2B
Skin sensitizer, Category 1B
Respiratory Sensitizer, Category 1B
Specific Target Organ Toxicity - Single Exposure, Category 3 (respiratory system)

GHS LABEL ELEMENTS

Symbol(s)

Signal Word

WARNING

Hazard Statement(s)

May damage fertility or the unborn child
Suspected of causing cancer

Causes eye irritation
May cause an allergic skin reaction
May cause respiratory irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statement(s)

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product.

Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

Store locked up.

Disposal

Dispose in accordance with all applicable regulations.

Hazard(s) Not Otherwise Classified

Combustible solid. Dust may form explosive mixtures with air. Wood dust is a potential health problem when wood particles from processes such as sanding, drilling, machining, and cutting become airborne. Inhalation of these particles may cause allergic respiratory symptoms, mucosal and non-allergic respiratory symptoms, and cancer.

* * * Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS* * *

CAS	Component	Percent
Not Available	Wood/ Wood Dusts	95-100
Proprietary	Phospho-Ammonium Boron Complex	<5

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Wood dust, all soft and hard woods.

* * * Section 4 - FIRST-AID MEASURES* * *

Description of Necessary Measures

Inhalation

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get medical attention, if needed.

Skin Contact

If wood splinters are injected under the skin, get medical attention immediately. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs: Get medical advice/attention.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Most Important Symptoms/Effects

Acute

Respiratory tract irritation, digestive system, eye irritation, allergic skin reaction.

Delayed

Reproductive effects

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Respiratory ailments and pre-existing skin conditions may be aggravated by exposure to wood dust.

* * * Section 5 - FIRE-FIGHTING MEASURES* * *

Suitable Extinguishing Media

Use regular dry chemical, carbon dioxide, water spray, or regular foam Use water to wet down wood and to reduce the likelihood of ignition or dispersion of dust into the air.
Large fires: water spray or fog, alcohol-resistant foam

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Specific Hazards Arising from the Chemical

At elevated temperatures: May burn, but does not ignite readily. This product contains flame retardants. Combustible solid. Dust may form explosive mixtures with air.

Hazardous Decomposition Products

Combustion: oxides of carbon, ammonium compounds, phosphorus compounds, boron compounds

Special Protective Equipment and Precautions for Firefighters

This material will not burn. Product is a pressure treated wood containing a fire retardant. Wear full protective fire-fighting gear including self- contained breathing apparatus (SCBA) for protection against possible exposure.

Fire Fighting Measures

Move product from fire area if it can be done without risk. Cool with water spray until well after the fire is out. Keep unnecessary people away, isolate hazard area and deny entry. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

NFPA Ratings: Health: 1 **Fire:** 0 **Reactivity:** 0 **Other:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

* * * Section 6 - ACCIDENTAL RELEASE MEASURES* * *

Personal Precautions, Protective Equipment and Emergency Procedures

No containment procedures are needed, as this product cannot spill or leak the preservative. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Use non-sparking tools and equipment.

Methods and Materials for Containment and Cleaning Up

Wear appropriate protective equipment and clothing during clean-up. Wet down accumulated dusts prior to sweeping or vacuuming in order to prevent explosion hazards. Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal. Gather larger pieces by an appropriate method. Avoid the generation of airborne dusts during clean-up. Do not inhale dusts during cleanup.

* * * Section 7 - HANDLING AND STORAGE* * *

Precautions for Safe Handling

Obtain special instructions before use. Do not generate airborne dusts in the presence of an ignition source when sawing, cutting or grinding wood. Wash hands after handling and before eating. Avoid contact of wood dusts with skin and eyes. Do not breathe wood dusts. Do not eat, drink or smoke when handling this material or in areas where dusts of this product are present. When handling treated wood, wear washable or disposable coveralls or long-sleeved shirt and long pants, chemical resistant gloves, and socks plus industrial grade safety boots with chemical resistant soles. Contaminated clothing should be removed and laundered before reuse.

Conditions for Safe Storage, including any Incompatibilities

Maintain good housekeeping procedures, such as sweeping regularly to avoid accumulation of dusts. Store product in a dry area away from excessive heat, sparks and open flame. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

* * * Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION* * *

Component Exposure Limits

Wood/ Wood Dusts (Not Available)

NIOSH:	1 mg/m3 TWA (related to Wood dust, all soft and hard woods)
Alberta:	5 mg/m3 TWA (total, related to Wood dust, all soft and hard woods)
Nunavut:	10 mg/m3 STEL (related to Wood dust, all soft and hard woods) 5 mg/m3 TWA (related to Wood dust, all soft and hard woods)
Quebec:	5 mg/m3 TWAEV (except red cedar, containing no Asbestos and <1% Crystalline silica, total dust, related to Wood dust, all soft and hard woods)
Saskatchewan:	Present (beech, birch, mahogany, oak, teak, walnut, related to Wood dust, all soft and hard woods) 10 mg/m3 STEL (non-allergenic); 5 mg/m3 STEL (allergenic, including cedar, mahogany, teak, related to Wood dust, all soft and hard woods) 5 mg/m3 TWA (non-allergenic); 2.5 mg/m3 TWA (allergenic, including cedar, mahogany, teak, related to Wood dust, all soft and hard woods)

Appropriate Engineering Controls

Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of these product contain explosion relief vents or an explosion suppression system

or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Individual Protection Measures, such as Personal Protective Equipment

Eyes/Face Protection

Wear safety glasses with side shields when handling, cutting, sanding or grinding this material. Use a face shield during processes that may generate excessive dusts and splinters. Provide an emergency eye wash fountain in the immediate work area.

Skin Protection

Wear appropriate clothing to minimize skin contact.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Respiratory Protection

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists, or dust, appropriate NIOSH respiratory protection must be provided. Respirators should be selected by and used under the direction of a trained health and safety professional following regulatory requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage must be implemented.

PPE Pictograms:




* * * Section 9 - PHYSICAL AND CHEMICAL PROPERTIES* * *

Physical State:	Solid	**Appearance:**	light to dark-brown Solid wood.
Color:	light to dark-brown	**Physical Form:**	solid
Odor:	odorless	**Odor Threshold:**	Not available
pH:	Approx. 7.0	**Melting Point:**	Not available
Boiling Point:	Not available	**Flash Point:**	Not available
Decomposition Temperature:	Not available	**Evaporation Rate:**	Not available
LEL:	Not available	**UEL:**	Not available
Vapor Pressure:	Not available	**Vapor Density (air = 1):**	Not applicable
Relative Density:	Not available	**Specific Gravity (water = 1):**	Not available
Water Solubility:	Not available	**Coeff. Water/Oil Dist:**	Not available
Auto Ignition Temperature:	Not available	**Viscosity:**	Not available

* * * Section 10 - STABILITY AND REACTIVITY* * *

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid contact with incompatible materials. Avoid generating dust.

Hazardous Decomposition

Combustion: oxides of carbon, ammonium compounds, phosphorus compounds, boron compounds.

* * * Section 11 - TOXICOLOGICAL INFORMATION* * *

Acute Toxicity

Acute or prolonged exposure may result in irritation of the eyes, skin, gastrointestinal tract and respiratory tract.

Toxicity Data: Toxicology data for components greater than 1 percent in concentration are provided below.
Toxicity data supplied by component manufacturer:

Boron Compound LD50: 45 g/kg

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

Information on Likely Routes of Exposure

Inhalation

May cause respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin Contact

Exposure to dust may cause skin irritation.

Eye Contact

May cause eye irritation.

Immediate Effects

Respiratory tract irritation, digestive system

Delayed Effects

Reproductive effects

Medical Conditions Aggravated by Exposure

No data available.

Irritation/Corrosivity Data

Skin irritation, eye irritation.

Respiratory Sensitization

No data available.

Dermal Sensitization

No data available.

Germ Cell Mutagenicity

No data available.

Carcinogenicity

Component Carcinogenicity

Wood/ Wood Dusts (Not Available)

IARC: Monograph 100C [2012]; Monograph 62 [1995] (Group 1 (carcinogenic to humans), related to Wood dust, all soft and hard woods)

NTP: Known Human Carcinogen (related to Wood dust, all soft and hard woods)

DFG: Category 3B (could be carcinogenic for man, except beech and oak wood dust, related to Wood dust, all soft and hard woods)

OSHA: Present (related to Wood dust, all soft and hard woods)

Reproductive Toxicity

Available data characterizes components of this product as reproductive hazards.

Specific Target Organ Toxicity - Single Exposure

Respiratory system.

Specific Target Organ Toxicity - Repeated Exposure

No information available.

Aspiration Hazard

Not expected to be an aspiration hazard.

* * * Section 12 - ECOLOGICAL INFORMATION* * *

Ecotoxicity

No information available for the product.

Component Analysis - Aquatic Toxicity

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

Persistence and Degradability

No information available for the product.

Bioaccumulation Potential

No information available for the product.

Mobility in Soil

No information available for the product.

* * * Section 13 - DISPOSAL CONSIDERATIONS* * *

Disposal Methods

Dispose of in accordance with all applicable federal, state and local regulations.

Disposal of Contaminated Packaging

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

* * * Section 14 - TRANSPORT INFORMATION* * *

US DOT Information

Shipping Name: Not regulated.

TDG Information

Shipping Name: Not regulated.

* * * Section 15 - REGULATORY INFORMATION* * *

U.S. Federal Regulations

All components are on the U.S. EPA TSCA Inventory List.

U.S. Federal Regulations

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

Acute Health: Yes
Chronic Health: Yes
Fire: No
Pressure: No
Reactive: No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Wood/ Wood Dusts ([1]related to: Wood dust, all soft and hard woods)	Not Available	No	No	Yes[1]	Yes[1]	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! Drilling, sawing, sanding, or machining wood products generate wood dust and other substances known to the state of California to cause cancer.

State regulations may apply. Check individual state requirements.

WHMIS Classification(s)

D2A

Component Analysis - Inventory

No information is available.

* * * Section 16 - OTHER INFORMATION* * *

Date of Preparation

New SDS: 02/02/2015

Key / Legend

ACGIH = American Conference of Governmental Industrial Hygienists; **AU** = Australia; **BOD** - Biochemical Oxygen Demand; **C** - Celsius; **CA** - Canada; **CAS** = Chemical Abstracts Service; **CERCLA** = Comprehensive Environmental Response, Compensation, and Liability Act; **CFR** = Code of Federal Regulations; **CN** = China; **CPR** = Controlled Products Regulations; **DOT** = Department of Transportation; **DSL** = Domestic Substances List; **EINECS** = European Inventory of Existing Commercial Chemical Substances; **ELINCS** = European List of Notified Chemical Substances; **EPA** = Environmental Protection Agency; **ERG** = Emergency Response Guide; **EU** = European Union; **F** - Fahrenheit; **HEPA** = High Efficiency Particulate Air; **HMIS** = Hazardous Material Information System; **HPV** – High Production Volume Chemical (EU); **IARC** = International Agency for Research on Cancer; **IATA** = International Air Transport Association; **ICL** – In Commerce List (Canada); **IDL** - Ingredient Disclosure List; **IDLH** - Immediately Dangerous to Life and Health; **JP** = Japan; **KR** = Korea; **LEL** - Lower Explosive Limit; **MITI** = Japan Ministry of International Trade and Industry; **mg/Kg** = milligrams per Kilogram; **mg/L** = milligrams per Liter; **mg/m3** = milligrams per Cubic Meter; **MSHA** = Mine Safety and Health Administration; **NA** = Not Applicable or Not Available; **NFPA** = National Fire Protection Association; **NIOSH** = National Institute for Occupational Safety and Health; **NJTSR** = New Jersey Trade Secret Registry; **NTP** = National Toxicology Program; **NZ** = New Zealand; **OSHA** = Occupational Safety and Health Administration; **PH** = Philippines; **RCRA** = Resource Conversation & Recovery Act; **SARA** = Superfund Amendments and Reauthorization Act; **STEL** = Short Term Exposure Limit; **TDG** = Transport Dangerous Goods; **TSCA** = Toxic Substances Control Act; **TWA** - Time Weighted Average; **UEL** - Upper Explosive Limit; **US** - United States; **WHMIS** = Workplace Hazardous Materials Information System.

Other Information

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

End of Sheet VIA-249