

# SAFETY DATA SHEET

D-Blaze Fire Retardant Pressure Treated Wood

VIA-249

## \*\*\* Section 1 - IDENTIFICATION\*\*\*

### Product Identifier:

D-Blaze Fire Retardant Pressure Treated Wood

### Trade Names

D-Blaze Fire Retardant Treated (FRT)

D-Blaze Fire Retardant Treated Wood (FRTW)

### Recommended Use

Lumber

### Restrictions on Use

None known.

### Manufacturer Information

### 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

Combustible dust.

### GHS LABEL ELEMENTS

#### Symbol(s)



#### Signal Word

DANGER

#### Hazard Statement(s)

May damage fertility or the unborn child

May form combustible dust concentrations in air (during handling or processing).

#### Precautionary Statement(s)

#### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Wear protective gloves and eye/face protection.

#### Response

IF exposed or concerned: Get medical advice/attention.

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## Storage

Store locked up.

## Disposal

Dispose in accordance with all applicable regulations.

## Hazard(s) Not Otherwise Classified

May cause respiratory tract irritation, gastrointestinal irritation, skin irritation, and eye irritation.

### \*\*\* 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

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

##### Eye Contact

Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Then get immediate medical attention.

##### Ingestion

If swallowed, get medical attention.

#### Most Important Symptoms/Effects

##### Acute

respiratory tract irritation, digestive system

##### Delayed

reproductive effects

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

IF exposed or concerned: Get medical attention.

### \*\*\* Section 5 - FIRE-FIGHTING MEASURES \*\*\*

#### Suitable Extinguishing Media

Use regular dry chemical, carbon dioxide, water spray, and regular foam.

Large fires: Use water spray, fog or regular foam.

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

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## Specific Hazards Arising from the Chemical

At elevated temperatures: May burn, but does not ignite readily. This product contains flame retardants. Dust/air mixtures may ignite or explode.

## 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 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.

## \*\*\* Section 6 - ACCIDENTAL RELEASE MEASURES\*\*\*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Do not touch or walk through spilled material. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. 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. Prevent entry into waterways, sewers, basements, or confined areas. Solid material spillage may be wet down with a fine water spray to suppress dust during cleanup. Shovel material into appropriate container for disposal. Wash spill area thoroughly with water.

## \*\*\* Section 7 - HANDLING AND STORAGE\*\*\*

### Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear appropriate personal protective equipment recommended in Section 8 of the MSDS. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Take precautionary measures against static discharges. Dissipate static electricity during transfer by earthing (grounding and bonding) containers and equipment.

### Conditions for Safe Storage, including any Incompatibilities

Store locked up. Keep away from heat, sparks and flame.

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

### Component Exposure Limits

#### Wood/ Wood Dusts (Not Available)

- NIOSH:** 1 mg/m<sup>3</sup> TWA (related to Wood dust, all soft and hard woods)
- Alberta:** 5 mg/m<sup>3</sup> TWA (total, related to Wood dust, all soft and hard woods)
- Nunavut:** 10 mg/m<sup>3</sup> STEL (related to Wood dust, all soft and hard woods)  
5 mg/m<sup>3</sup> TWA (related to Wood dust, all soft and hard woods)
- Quebec:** 5 mg/m<sup>3</sup> TWAEV (except red cedar, containing no Asbestos and <1% Crystalline silica, total dust, related to Wood dust, all soft and hard woods)

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**Saskatchewan:** Present (beech, birch, mahogany, oak, teak, walnut, related to Wood dust, all soft and hard woods)  
10 mg/m<sup>3</sup> STEL (non-allergenic); 5 mg/m<sup>3</sup> STEL (allergenic, including cedar, mahogany, teak, related to Wood dust, all soft and hard woods)  
5 mg/m<sup>3</sup> TWA (non-allergenic); 2.5 mg/m<sup>3</sup> 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 splash resistant safety goggles with a faceshield.

#### Skin Protection

Wear appropriate clothing to minimize skin contact.

#### Glove Recommendations

Wear appropriate chemical resistant gloves.

#### Protective Materials

Provide an emergency eye wash fountain in the immediate work area.

#### Respiratory Protection

If ventilation is not sufficient to effectively prevent buildup of vapors or mists, appropriate NIOSH respiratory protection must be provided.

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

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

## \*\*\* Section 10 - STABILITY AND REACTIVITY\*\*\*

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable under normal conditions.

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## Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

## Conditions to Avoid

Avoid contact with incompatible materials. Avoid flames, sparks, and other sources of ignition. Avoid generating dust.

## Hazardous Decomposition

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

<b>* * * Section 11 - TOXICOLOGICAL INFORMATION * * *</b>
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## 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.

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## 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

digestive 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 LOLI 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.

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## \*\*\* 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

State regulations may apply. Check individual state requirements.

### 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 (*related to: Wood dust, all soft and hard woods)	Not Available	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

### WHMIS Classification(s)

D2A

### Component Analysis - Inventory

No information is available.

## \*\*\* Section 16 - OTHER INFORMATION\*\*\*

### Summary of Changes

Updated SDS: 12/18/2014

### 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

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Explosive Limit; **MITI** = Japan Ministry of International Trade and Industry; **mg/Kg** = milligrams per Kilogram; **mg/L** = milligrams per Liter; **mg/m<sup>3</sup>** = 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 Conservation & 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