

Chatfield Clarke

**SDS for F.R.I.I.B.**

**Fire Resistant Industrial  
Insulation Board**



**Section V – Fire Fighting measures**

Flash Point: 200°C (wood dust)  
 Auto-Inflammation Temperature: >400°C  
 Flammable Limits in air : Upper Flammable Limit (UFL): No object  
 Lower Flammable Limit (LFL): No object  
 Flammability Classification: B2 (DIN 4102)  
 Rate of Burning: Not Applicable  
 Specific Dangers: When in contact with an ignition source, wood dust can be an explosion hazard.  
 Combustion products: Fire gives off normal combustion products.  
 Fire Fighting Agents: Use dry powder, foam and water spray or appropriate extinguishing media for surrounding materials on fire.  
 Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing (see section 8).

**Section VI – Accidental release measures**

Containment: No special measure.  
 Clean-up: No special measure.  
 Disposal: The finished product is a wood-based solid. Follow all local, municipal, provincial, state and federal regulations. To remove, use standard means approved for disposal. Dispose in a landfill or use any other method prescribed by regulation.

**Section VII – Handling and storage**

Handling: Dust can form an explosive mixture in air. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Use personal protective equipment as required (see section 8). Avoid frequent or prolonged inhalation of wood dust. Wear the appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded (see Sections 2 and 8). Use good safety and industrial hygiene practices. Avoid contact with humidity and water. Presence of water may lead to mold growth.  
 Storage: Store flat, in a dry, well ventilated place and away from sources of excessive heat. Product should be protected from the weather and direct sunlight.

**Section VIII – Exposure controls/personal protection**

Component	Weight %	TLV (m/m <sup>3</sup> )	PEL (m/m <sup>3</sup> )
Wood Fiber	>92	Not established	Not established
Coating	<1	Not established	Not established
Starch	<5	10	Total: 15 Respirable: 5
Wax fumes	<2	Fumes: 2	Fumes: 2
Wood Dust from sawing	---	0.5	Total: 5 Respirable: 5

**ENGINEERING CONTROLS:** Provide sufficient ventilation, i.e., enough to control airborne dust levels. Use ventilation to keep dust concentrations below permissible exposure limits. If cutting or trimming with power tools, dust collectors and local ventilation should be used. Avoid unnecessary exposure to dust and handle with care. Keep work area clean of dust by using an industrial vacuum cleaner with high efficiency filter or wetting down area with water. Never use compressed air and avoid dry sweeping.

If engineering controls are not possible, use safety glasses, gloves and dust respirator mask. Wear a NIOSH/MSHA approved respirator with cartridges in poorly ventilated areas or if TLV is exceeded.

**Section IX – Physical and chemical properties**

Appearance at 25°C:	Solid
Odor:	Neutral
pH:	No object
Density:	0.20 to 0.28 g/cm <sup>3</sup>
Melting Point:	No object
Freezing Point:	No object
Boiling Point:	No object
Evaporation Rate:	No object
Vapor Tension:	No object
Vapor Density:	No object
Relative Density (water = 1):	< 1
Solubility:	Insoluble in water
Decomposition Temperature:	Not measured
VOC	None

**Section X – Stability and reactivity**

Stability:	Stable.
Condition to avoid:	Contact with moisture and humidity may alter the product and even cause some mold development.
Incompatibility:	None known
Hazardous Polymerization	Will not occur
Hazardous Decomposition	The decomposition products are those expected from wood. These decomposition products may include carbon oxides and carbon particles. Thermal-oxidative degradation of wood produces irritating fumes and gases.

**Section XI – Toxicological information**

Acute Effects:	None are known for the product. However, direct contact with any dust, including wood dust, can mildly irritate mucous membranes of your nose and eyes. None are known for the product.
Chronic Effects/Carcinogenicity	None are known for the product. However, repeated contact with wood dust can cause skin irritation, dermatitis or respiratory sensitization or irritation, because of the quinolic content of some wood essence.

**Section XII – Ecological Information**

Environmental Toxicity:	This product has no known adverse effect on ecology
Ecotoxicity Value:	Not determined

**Section XIII – Disposal considerations**

Disposal:	The finished product is a wood-based solid. It may be recycled in local facilities. If unable to recycle dispose of the material in accordance with all local, municipal, provincial, state and federal regulations. Use standard means approved for disposal. Dispose in a landfill or use any other method prescribed by regulation.
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BUILDING PRODUCTS OF CANADA CORP.

# SAFETY DATA SHEET INDUSTRIAL BOARDS

## Section XIV – Transport information

**U.S. DOT INFORMATION:** Not a hazardous material per DOT shipping requirements. Not classified or regulated.  
**Shipping Name:** Same as product name.  
**Hazard Class:** Not classified.  
**UN/NA #:** None / Not classified.  
**Packing Group** None.  
**Label (s) Required** Not applicable.  
**GGVSeb/MDG-Code** Not classified.  
**ICAO/IATA-DGR** Not applicable.  
**RID/ADR** None.  
**ADNR** None.  
**Canadian Transportation of Dangerous Goods (TDG):** Not a dangerous good.

## Section XV – Regulatory information

**Canada:** WHMIS Classification: Not a controlled product  
 All the ingredients are part of the Domestic Substance List (DSL)  
**United State:** All the ingredients contained in the product are included in U.S. Environmental Protection Agency's  
 Toxic Substances Control Act Chemical Substance Inventory

This product does not contain hazardous component as per WHMIS and OSHA, 29 CFR 1910.1200, SARA 302, 304 and 313, CERCLA  
 CAA section 112 or RCRA hazardous legislations.

As per OSHA and WHMIS the above product is considered a consumable item and do not require MSDS. However we want to disclose  
 as much as possible information relating to health and safety, to ensure that the product is handled and used properly. This MSDS  
 contains valuable information for safe handling and proper use of the product. This MSDS should be retained and available for  
 employees and other users.

**European Union** Dangerous Substances Directive 67/548/EEC  
 R-Phrase(s): R36/37/38 (2001/59/EC)  
 s-Phrase(s): None Known (2006/102/EC)

## Section XVI – Other information

### Caution!

Dust can cause eyes, skin and respiratory tract irritations. Cut and trim with a razor knife or hand saw to minimize dust levels. Avoid  
 cutting with Power tools, because they generate high dust levels. Power tools must be equipped with a dust collection system. Wear  
 eye, skin and respiratory protection as necessary per working conditions (see section 8). If eye contact occurs flush with water for 15 to  
 20 minutes. Do not ingest. If ingested, call a physician. KEEP OUT OF REACH OF CHILDREN.

NFPA Ratings: Health 1; Fire 0; Reactivity 0; Personal protection E (Safety glasses, gloves and dust respirator mask).

HMIS Ratings: Health 1; Fire 0; Reactivity 0; Personal protection E (Safety glasses, gloves and dust respirator mask)

NFPA and HMIS hazard category: 0= minimal, 1= Slight, 2 = Moderate, 3 = Serious, 4= Severe

Prepared by: F. Bossé  
 Phone number: 514-364-8768  
 Revision date: 05 June 2015

*Since this product is a "Manufactured Article". Building Products of Canada Corp. is not required by law to produce a Material Safety Data Sheet. This Material Safety Data  
 Sheet is provided as customer service information. The recommendations and data presented are believed to be reliable. However, no warranty is expressed or implied  
 regarding the accuracy of the data or the results obtained from the use of this information.*

# Safety Data Sheet (SDS) - Flame Retardant Coating

## 1. Identification

**Product Identifier** WT-102 flame retardant coating with adhesion abilities  
**Other means of Identification** Flame retardant coating  
**Recommended use** Refer to manufacturer sell sheet  
**Recommended restrictions** Refer to manufacturer sell sheet  
**Manufacturer name** Firetect, Inc.  
**Address** 28298 Constellation Road  
Valencia, CA 91355  
**Country** USA  
**Phone** 661-295-3473  
**Fax** 661-295-3880  
**E-mail** info@firetect.com  
**Website** www.firetect.com

## 2. Hazard(s) Identification

**Emergency overview** Irritant.  
**Classification**  
**Hazard symbol** Category 5. No symbol.  
**Signal word** Warning.  
**Potential health effects**  
**Inhalation** Over-exposure may cause irritation. If not breathing, give artificial respiration. Seek medical attention.  
**Eyes/Skin** Cleanse affected areas with mild soap and water. If irritation develops, seek medical attention.  
**Ingestion** If drowsy or unconscious, place victim on left side with head down. Do not give anything by mouth; seek medical attention.  
**Environmental hazards** No known significant environmental effects.  
**NFPA/HMIS classification** Health: 0  
Flammability: 0  
Reactivity: 0  
0-Least, 1-Slight, 2-Moderate, 4-Extreme

## 3. Composition/Information on ingredients

Chemical name	CAS number	Percent
Water	7732-18-5	37-46%
Ammonium Polyphosphate	68333-79-9	18-25%
Pentaerythritol	155-77-5	3-12%
Melamine	108-78-1	7-13%
Other ingredients (Trade secret per 29 CFR 1910.1200)	-	4-35%
NO REPORTABLE HAZARDOUS INGREDIENTS		

## 4. First-aid measures

**Inhalation** Remove person to fresh air. If necessary, seek advice of a physician.  
**Skin contact** Wash skin with soap and water. Launder clothing before reuse.  
**Eye contact** In case of eye contact, flush with running water for at least 15 minutes. If irritation persists, seek advice of a physician.  
**Ingestion** If swallowed, induce vomiting and seek medical attention.

## 5. Fire-fighting measures

**Suitable extinguishing media** For dry solids use water foam, CO2, or dry chemical fire-fighting apparatus.  
**Unsuitable extinguishing media** None.  
**Specific hazards arising from the substance or mixture** None.

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<b>Special protective equipment and precautions for fire-fighters</b>	Closed container exposed to heat may cause rupture due to pressure build-up.
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<b>6. Accidental release measures</b>	
<b>Personnel precautions</b>	None.
<b>Environmental precautions</b>	Avoid runoff into storm sewers, ditches, and waterways.
<b>Cleanup measures</b>	Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts may be absorbed into appropriate absorbent. Dispose of product in accordance with applicable local, county, state and federal regulation.

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<b>7. Handling and storage</b>	
<b>Precautions for safe handling</b>	Avoid breathing mist. Avoid prolonged skin contact.
<b>Engineering controls</b>	Use local exhaust ventilation if sprayed inside. Otherwise, general ventilation is adequate.
<b>Conditions for safe storage</b>	Store upright in original sealed containers and in a cool, dry location away from light and strong frost.
<b>Storage temperature</b>	Storage should not exceed 80°F or fall below 40°F. Do not allow to freeze.
<b>Shelf life</b>	Shelf life is one year, if containers are unopened.

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<b>8. Exposure controls/Personal protection</b>	
<b>VOC</b>	47 Grams/Liter
<b>Exposure controls</b>	Use appropriate engineering controls such as proper ventilation. Where such systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards.
<b>Personal protective equipment</b>	
<b>Eye/Face protection</b>	Wear goggles to avoid overspray and splashing. Eye and face protection should be in accordance with OSHA 29 CFR 1910.133.
<b>Hand/Arm protection</b>	Rubber or plastic gloves are recommended.
<b>Respiratory protection</b>	Use an N-95 or P-95 mask. If sprayed, wear an air-purifying respirator approved by NIOSH in accordance with OSHA 29 CFR 1910.134(d)(1)(ii). If used in a confined area, a full-face, powered air-purifying respirator (PAPR) or supplied-air respirator (SAR) is recommended. Use respirators in accordance with 29 CFR 1910.134(d)(3)(i)(A) Table 1, 29 CFR 1910.134(d)(3)(iii)(B) and 29 CFR 1910.134(d)(3)(iv)(B).

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<b>9. Physical and chemical properties</b>	
<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Color</b>	Color base and tinted black or white.
<b>Odor</b>	Very faint odor.
<b>Odor threshold</b>	Not applicable.
<b>pH</b>	
<b>% volatile by vol</b>	
<b>Freezing point</b>	32°F
<b>Boiling point</b>	212°F
<b>Specific gravity</b>	1.08
<b>Evaporation rate</b>	Less than water.
<b>Vapor pressure</b>	None.
<b>Vapor density</b>	Equal to water.
<b>Flashpoint</b>	Not Applicable

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<b>10. Stability and reactivity</b>	
<b>Reactivity</b>	None.
<b>Chemical stability</b>	Stable.
<b>Incompatible materials</b>	Strong oxidizers.

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Decomposition materials	Carbon dioxide, carbon monoxide.
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11. Toxicological information

Acute toxicity

Potential health effects

Inhalation

May be harmful if inhaled. Short-term exposure may cause irritation of nose, throat and lungs.

Eyes/Skin

May be harmful in contact with eyes/skin. Short-term exposure may cause irritation.

Ingestion

May be harmful if swallowed. Possible stomach irritation and nausea.

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12. Ecological information

Ecotoxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

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13. Disposal considerations

Waste disposal of product

Do not discharge product into storm or waste water sewer systems. Dispose of product in accordance with applicable local, county, state and federal regs.

Contaminated packaging

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

Container disposal

Plastic pails are recyclable. Rinse well before recycling or disposal. Dispose of in accordance with federal, state, and local regulations. Contact local authorities for further information.

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14. Transport information

Land transport

USDOT

Non-hazardous product. Not regulated.

Marine transport

IMDG

Non-hazardous product. Not regulated.

Air transport

IATA

Non-hazardous product. Not regulated.

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15. Regulatory information

Additional safety, health and environmental regulations

Not applicable.

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16. Other information

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 and prepared to GHS.

Preparation information

Prepared by

Firetect®, Inc.

Disclaimer

It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information given is presented in good faith and believed to be correct as of the date hereof, based on available data, material components, and similar materials. Firetect®, Inc. cannot anticipate conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used.