# Safety Data Sheet

## FR Particleboard

### Section 1: Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>FR Particleboard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms</td>
<td>FR Particleboard, Vesta FR Particleboard, Duraflake FR Particleboard, Dura FR Particleboard</td>
</tr>
<tr>
<td></td>
<td>This SDS is applicable for all Arauco North America FR particleboard manufactured at the sites noted below including panels laminated with thermally fused laminate (TFL)/melamine.</td>
</tr>
<tr>
<td>Product Description</td>
<td>A wood product composed of wood and cured amino resins</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Building Materials – Decorative, Furniture, General Construction</td>
</tr>
<tr>
<td>Manufacturing Sites</td>
<td>Albany, OR St. Stephen, NB</td>
</tr>
</tbody>
</table>
| Supplier | ARAUCO North America  
5901-B Peachtree Dunwoody Rd NE, Suite 500  
Atlanta, GA 30328  
USA  
http://www.arauco-na.com/ |
| Telephone (General) | 800-261-4890 |
| Regional Support Centers | **Canadian Regional Center**  
80 Tiverton Court, Suite 701  
Markham L3R 0G4  
Canada  
Tel: (905) 475-9686  
Fax: (905) 475-3827 |
|              | **US Eastern Regional Center**  
515 River Crossing Drive, Suite 110  
Fort Mill, SC 29715  
Tel: (877) 273-7680  
Fax: (800) 808-1454 |
|              | **US Western Regional Center**  
2550 NE Old Salem Road  
Albany, OR 97321  
Tel: (888) 650-6302  
Fax: (541) 928-4116 |
Section 2: Hazard Identification

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012
- This product is generally an article but is regulated under OSHA for the release of wood dust during mechanical operations releasing dust. The free formaldehyde levels are below OSHA reporting requirements. The classifications listed below are based primarily upon wood dust and boric acid:

  - Skin Irritation 2
  - Skin Sensitization 1
  - Eye Mild Irritation 2B
  - Respiratory Sensitization 1
  - Carcinogenicity 1A
  - Reproductive Toxicity 2
  - Specific Target Organ Toxicity Single Exposure 2
  - Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
  - Specific Target Organ Toxicity Repeated Exposure 2
  - Combustible Dust

Label elements

OSHA HCS 2012

DANGER

Hazard statements
- Causes skin irritation
- May cause an allergic skin reaction
- Causes eye irritation
- May cause respiratory irritation
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- May cause cancer via inhalation of respirable dust
- Suspected of damaging fertility or the unborn child - via Inhalation, Ingestion/Oral
- May cause damage to organs - Kidney/Nephrotoxin via Ingestion/Oral
- May cause damage to organs - Kidney/Nephrotoxin through prolonged or repeated exposure via Inhalation, Ingestion/Oral
- May form combustible dust concentrations in air.

Precautionary statements

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

Response
- IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.

Storage/Disposal
Store away from water and ignition sources. It is recommended to store the product in an area with relative humidity and temperature that approximates end use conditions.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards
OSHA HCS 2012
- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Other information
NFPA
- Health = 1, Flammability = 1, Reactivity = 0, Special Information = None
HMIS
- Health = *1, Flammability = 1, Reactivity = 0, PPE = E
  * Chronic Health Hazard
  E = Safety glasses, gloves, and a dust respirator

Section 3 - Composition/Information on Ingredients
Mixtures
These wood products are composed of wood and cured amino resins. See Section 8 for exposure limits discussion.

Components shown below may appear in some or in various combinations in a particular product. With the exception of Formaldehyde, only hazardous components above the appropriate cut-off limit are shown.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>Hazardous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood fibers*</td>
<td>CAS: Not Available</td>
<td>80% TO 82%</td>
<td>Yes</td>
</tr>
<tr>
<td>Boric acid</td>
<td>CAS: 10043-35-3</td>
<td>9% TO 11%</td>
<td>Yes</td>
</tr>
<tr>
<td>Cured amino resin</td>
<td>CAS: Proprietary</td>
<td>0% TO 10%</td>
<td>Yes</td>
</tr>
<tr>
<td>Cured amino resin</td>
<td>CAS: Proprietary</td>
<td>0% TO 17%</td>
<td>No</td>
</tr>
<tr>
<td>Urea</td>
<td>CAS: 57-13-6</td>
<td>0% TO 3%</td>
<td>Yes</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>CAS: 50-00-0</td>
<td>&lt;0.1%</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* Wood contains trace amounts of various chemicals present in the environment which are absorbed by trees through natural growth. A comprehensive listing of species is available upon request.

All products produced at Arauco NA mills are certified to the Composite Panel Association's Eco-certified Composite (ECC) Sustainability Standard which requires adherence to the strict California Air Resources Board (CARB) Composite Wood Formaldehyde Air Toxic Control Measure (CARB ATCM 93120.12).
CALIFORNIA RESIDENTS: This product contains one or more chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Section 4: First-Aid Measures

Description of first aid measures

Inhalation • IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin • IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

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

Ingestion • Health effects are not expected to occur under normal use. Low hazard for usual industrial or commercial handling.

Most important symptoms and effects, both acute and delayed
• Refer to Section 11 - Toxicological Information.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable • SMALL FIRES: Dry chemical, CO2, water spray or regular foam.
Suitable • LARGE FIRE: Water spray, fog or regular foam.

Unsuitable • No data available

Firefighting Procedures • No special procedures. Fire-fighting procedures for wood products are well known.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • This product is not an explosion hazard. Sawing, sanding, or machining this product could result in the by-product wood dust. Wood dust may present a strong to severe explosion hazard if a dust cloud contacts an ignition source.

Airborne concentrations of 40 grams per cubic meter are often used as the lower explosive limit (LEL) for wood dusts. OSHA interprets the explosive level as having no visibility within five feet or less.

Hazardous Combustion Products • Burning of this product can result in carbon dioxide, carbon monoxide, oxides of nitrogen, aldehydes, cyanides and other hazardous gases and particles.
Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Do not breathe dust.

Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

Environmental precautions

- No known significant environmental effects.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Not applicable for product in purchased form. Dust generated from sawing, sanding, drilling or routing this product may be vacuumed or shoveled for recovery or disposal. Wood dust clean-up and disposal activities should be accomplished in a manner to minimize creation of airborne dust.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- No special precautions for handling product. Use good safety and industrial hygiene practices. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Conditions for safe storage, including any incompatibilities

Storage

- Avoid storage where exposure to water could occur or near a source of ignition. It is recommended to store the product in an area with relative humidity and temperature that approximates end use conditions. Keep away from sources of ignition - No Smoking.

Incompatible Materials or Ignition Sources

- Keep away from ignition sources.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

- No data available.

<table>
<thead>
<tr>
<th>Exposure Limits/Guidelines of Ingredients</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boric acid (10043-35-3) TWAs 2 mg/m³ TWA (inhalable fraction, listed under Borate compounds, inorganic)</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
</tr>
<tr>
<td>Wood dust TWAs 1 mg/m³ TWA as Wood dust, all soft and hard woods</td>
<td>1 mg/m³ TWA as Wood dust, all soft and hard woods</td>
<td>15 mg/m³, total dust (5 mg/m³, respirable fraction) (as nuisance dust)</td>
<td></td>
</tr>
<tr>
<td>Formaldehyde (50-00-0) TWAs 0.3 ppm STEL</td>
<td>0.016 ppm TWA</td>
<td>0.75 ppm TWA</td>
<td></td>
</tr>
</tbody>
</table>

Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Due to the explosive
potential of wood dust when suspended in air, precautions should be taken during sanding, sawing or machining of wood products to prevent sparks or other ignition sources in ventilation equipment. Use of totally enclosed motors is recommended.

Personal Protective Equipment

Pictograms •

Respiratory • Use of a NIOSH/MSHA approved dust respirator is recommended where airborne dust levels exceed appropriate PELs and TLVs.

Eye/Face • Wear safety glasses.

Hands • Wear protective gloves - Rubberized cloth, canvas or leather gloves.

Skin/Body • Wear long sleeves and/or protective coveralls.

General Industrial Hygiene Considerations • Practice good housekeeping and avoid creating/breathing dust. Do not allow dust to collect. Maintain, clean, and fit test respirators in accordance with OSHA regulations.

Environmental Exposure Controls • No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
</tr>
<tr>
<td>Appearance/Description</td>
</tr>
<tr>
<td>Color</td>
</tr>
<tr>
<td>Taste</td>
</tr>
<tr>
<td>Odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
</tr>
<tr>
<td>Boiling Point</td>
</tr>
<tr>
<td>Melting Point</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
</tr>
<tr>
<td>pH</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
</tr>
<tr>
<td>Density</td>
</tr>
<tr>
<td>Bulk Density</td>
</tr>
<tr>
<td>Water Solubility</td>
</tr>
<tr>
<td>Viscosity</td>
</tr>
<tr>
<td>Explosive Properties</td>
</tr>
</tbody>
</table>

General Properties (cont’d)

Vapor Pressure | Not relevant |
| VOC (Vol.) | No data available |

Flammability

Flash Point | Not relevant |
| UEL | Not relevant |
| LEL | Not relevant |
| Burning Time | No data available |
| Autoignition | 425 to 475 F (218.3 to 246.1 C) |
| Flammability (solid, gas) | No data available |
**Section 10: Stability and Reactivity**

**Reactivity**
- The product is stable.

**Chemical stability**
- Stable

**Possibility of hazardous reactions**
- Hazardous polymerization not indicated. Hazardous polymerization will not occur.

**Conditions to avoid**
- Exposure to water, ignition source, high relative humidity and high temperature.

**Incompatible materials**
- Incompatible Materials: Acids (strong), Oxidizers (strong)

**Hazardous decomposition products**
- Hazardous decomposition may occur Thermal and/or thermal oxidative decomposition can produce irritating and toxic fumes and gases, generating carbon oxides, nitrogen oxides, HCN, aldehydes and organic acids.

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**Section 11 - Toxicological Information**

**Information on toxicological effects**

**Other Material Information**
- Toxicological impacts expected to be minimal for products in purchased form. Individual component information is provided below if available.

### Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Identifier</th>
<th>Acute Toxicity: Ingestion/Oral-Rat LD50 • 2500 mg/kg; Behavioral:Convulsions or effect on seizure threshold; Behavioral:Ataxia; Ingestion/Oral-Rat TLD0 • 2000 mg/kg; Reproductive Effects:Paternal Effects:Spermatogenesis; Reproductive Effects:Paternal Effects:Testes, epididymis, sperm duct; Inhalation-Rat LCLo • 28 mg/m³ 4 Hour(s); Multi-dose Toxicity: Inhalation-Rat TCLo • 10 mg/m³ 4 Hour(s) 16 Week(s)-Intermittent; Lungs, Thorax, or Respiration:Other changes; Kidney, Ureter, and Bladder:Changes in tubules (including acute renal failure, acute tubular necrosis); Reproductive Effects:Paternal Effects:Testes, epididymis, sperm duct; Inhalation-Rat TCLo • 10 mg/m³ 4 Hour(s) 16 Week(s)-Intermittent; Lungs, Thorax, or Respiration:Other changes; Kidney, Ureter, and Bladder:Changes in tubules (including acute renal failure, acute tubular necrosis); Reproductive Effects:Maternal Effects:Ovaries, fallopian tubes; Reproductive: Ingestion/Oral-Rat TDL0 • 52 mg/kg (26W male); Reproductive Effects:Paternal Effects:Spermatogenesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boric acid (5% TO 15%)</td>
<td>10043-35-3</td>
<td></td>
</tr>
<tr>
<td>Urea (0% TO 3%)</td>
<td>57-13-6</td>
<td>Acute Toxicity: Ingestion/Oral-Rat LD50 • 8471 mg/kg; Ingestion/Oral-Rat TDL0 • 750 mg/kg; Kidney, Ureter, and Bladder:Urine volume increased; Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:Na; Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:K; Irritation: Skin-Human • 20 % 24 Hour(s) • Moderate irritation; Multi-dose Toxicity: Inhalation-Rat TCLo • 288 mg/m³ 17 Week(s)-Intermittent; Kidney, Ureter, and Bladder:Other changes in urine composition; Blood:Other changes; Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:Cl; Tumorigen / Carcinogen: Ingestion/Oral-Rat TDL0 • 821 g/kg 1 Year(s)-Continuous; Tumorigenic:Neoplastic by RTECS criteria; Blood:Tumors; Blood:Lymphoma, including Hodgkin’s disease</td>
</tr>
</tbody>
</table>
Components

<table>
<thead>
<tr>
<th></th>
<th>Acute Toxicity: Ingestion/Oral-Rat LD50 • 100 mg/kg; Inhalation-Rat LC50 • 203 mg/m³; Peripheral Nerve and Sensation: Spastic paralysis with or without sensory change; Behavioral: Convulsions or effect on seizure threshold; Behavioral: Excitement; Irritation: Eye-Rabbit • 750 µg 24 Hour(s) • Severe irritation; Skin-Rabbit • 2 mg 24 Hour(s) • Severe irritation; Multi-dose Toxicity: Ingestion/Oral-Rat TDLo • 500 mg/kg 20 Day(s)-Intermittent; Biochemical: Enzyme inhibition, induction, or change in blood or tissue levels: Transaminases; Inhalation-Mouse TLCLo • 400 ppb 12 Week(s)-Intermittent; Lungs, Thorax, or Respiration: Other changes; Endocrine: Changes in spleen weight; Biochemical: Metabolism (intermediary): Other proteins; Mutagen: Micronucleus test • Inhalation-Human • 2 ppm 15 Minute(s); Micronucleus test • Inhalation-Human • 0.1 ppm 8 Hour(s); Reproductive: Inhalation-Rat TLCLo • 12 µg/m³ 24 Hour(s)(15D pre/1-22D preg); Reproductive Effects: Effects on Newborn: Growth statistics (e.g., reduced weight gain); Reproductive Effects: Effects on Newborn: Other postnatal measures or effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde (&lt;0.1%)</td>
<td>50-00-0</td>
</tr>
</tbody>
</table>

GHS Properties | Classification
--- | ---
Acute toxicity | OSHA HCS 2012•Acute Toxicity - Data lacking; Acute Toxicity - Dermal - Data lacking; Acute Toxicity - Inhalation - Data lacking; Acute Toxicity - Oral - Data lacking
Aspiration Hazard | OSHA HCS 2012•Data lacking
Carcinogenicity | OSHA HCS 2012•Carcinogenicity 1A
Germ Cell Mutagenicity | OSHA HCS 2012•Data lacking
Skin corrosion/Irritation | OSHA HCS 2012•Skin Irritation 2
Skin sensitization | OSHA HCS 2012•Skin Sensitizer 1
STOT-RE | OSHA HCS 2012•Specific Target Organ Toxicity Repeated Exposure 2
STOT-SE | OSHA HCS 2012•Specific Target Organ Toxicity Single Exposure 2; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Toxicity for Reproduction | OSHA HCS 2012•Toxic to Reproduction 2
Respiratory sensitization | OSHA HCS 2012•Respiratory Sensitizer 1
Serious eye damage/Irritation | OSHA HCS 2012•Eye Mild Irritation 2B

Target Organs | • Kidney/Nephrotoxin, Skin/Dermal, Lungs, Respiratory System
Route(s) of entry/exposure | • Inhalation, Skin, Eye
Medical Conditions Aggravated by Exposure | • Dusts may aggravate asthma or other respiratory disorders.

Potential Health Effects
No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs include:

Inhalation
Acute | • May cause respiratory irritation.
**Safety Data Sheet**

**COMPOSITE PANELS**

**Building Materials**

**Structural, Industrial or Decorative**

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(Immediate)

**Chronic (Delayed)**

- Repeated and prolonged exposure may cause cancer. Repeated and prolonged exposure may cause sensitization of the respiratory system.

**Skin**

**Acute (Immediate)**

- May cause irritation.

**Chronic (Delayed)**

- Repeated and prolonged exposure may cause sensitization.

**Eye**

**Acute (Immediate)**

- May cause irritation.

**Chronic (Delayed)**

- No data available.

**Ingestion**

**Acute (Immediate)**

- Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**

- Under normal conditions of use, no health effects are expected.

**Carcinogenic Effects**

- Wood dust is listed by NTP known to be a Human Carcinogen (10th Report), IARC Monographs: Wood dust, Group 1 - IARC Group 1: Carcinogenic to humans; sufficient evidence of carcinogenicity. This classification is primarily based on studies showing an association between occupational exposure to wood dust and adenocarcinoma of the nasal cavities and paranasal sinuses. IARC did not find sufficient evidence of an association between occupational exposure to wood dust and cancers of the hypopharynx, oropharynx, lymphatic and hematopoietic systems, lungs, stomach, colon or rectum.

<table>
<thead>
<tr>
<th>Carcinogenic Effects</th>
<th>CAS</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood dust as Wood dust, all soft and hard woods</td>
<td>Not Available</td>
<td>Not Listed</td>
<td>Group 1-Carcinogenic</td>
<td>Known Human Carcinogen</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>Specifically Regulated Carcinogen</td>
<td>Group 1-Carcinogenic</td>
<td>Known Human Carcinogen</td>
</tr>
</tbody>
</table>

**Reproductive Effects**

- In animal testing with boric acid, risk of impaired fertility was shown only after administration of very high doses of this substance.

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**Section 12 - Ecological Information**

**Toxicity**

- No information available at this time. As with all foreign substances do not allow to enter the storm drainage systems. These wood products are not expected to pose an ecological hazard as a result of their intended use.

**Persistence and degradability**

- No data available

**Bioaccumulative potential**
• No data available

Mobility in Soil
• No data available

Section 13 - Disposal Considerations

Waste treatment methods
Product waste
• Dispose of in an approved landfill. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste
• No data available

Section 14 - Transport Information

<table>
<thead>
<tr>
<th></th>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>No Data Available</td>
<td>No Data Available</td>
<td>No Data Available</td>
<td>No Data Available</td>
<td>No Data Available</td>
</tr>
<tr>
<td>TDG</td>
<td>No Data Available</td>
<td>No Data Available</td>
<td>No Data Available</td>
<td>No Data Available</td>
<td>No Data Available</td>
</tr>
</tbody>
</table>

Special precautions for user
• No special precautions.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
• No data available

Other information

DOT • Not regulated as a hazardous material.

TDG • Not regulated as a dangerous good.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the mixture
SARA Hazard Classifications
• Acute, Chronic

<table>
<thead>
<tr>
<th>Component</th>
<th>Inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR Particleboard</td>
<td>CAS: Not Applicable. Canada DSL: Not listed. All components are on the Canada DSL or are excluded from listing. TSCA: Not listed. All components are on the TSCA inventory or are excluded from listing.</td>
</tr>
</tbody>
</table>

Canada

Labor
Canada - WHMIS - Classifications of Substances
• FR Particleboard and ingredients (unless listed below) N/A Not listed or below de minimis reporting quantities A, B1, D1A, D2A, D2B; B3, D1A, D2A, D2B, E (regulated under Formol)
• Formaldehyde 50-00-0
### Canada - WHMIS - Ingredient Disclosure List

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Quantity</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR Particleboard and ingredients</td>
<td>N/A</td>
<td>Not listed or below de minimis reporting quantities</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>0.1% (concentration in product is below de minimis)</td>
</tr>
</tbody>
</table>

### United States

#### Labor

<table>
<thead>
<tr>
<th>U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR Particleboard and ingredients (unless listed below)</td>
</tr>
<tr>
<td>N/A</td>
</tr>
<tr>
<td>Formaldehyde</td>
</tr>
<tr>
<td>50-00-0</td>
</tr>
<tr>
<td>Not Listed</td>
</tr>
</tbody>
</table>

| Formaldehyde                                                        | 1000 lb TQ |

#### Environment

<table>
<thead>
<tr>
<th>U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR Particleboard and ingredients (unless listed below)</td>
</tr>
<tr>
<td>N/A</td>
</tr>
<tr>
<td>Formaldehyde</td>
</tr>
<tr>
<td>50-00-0</td>
</tr>
<tr>
<td>Not Listed</td>
</tr>
</tbody>
</table>

| Formaldehyde                                                        | 100 lb final RQ; 45.4 kg final RQ |

<table>
<thead>
<tr>
<th>U.S. - CERCLA/SARA - Section 304 Extremely Hazardous Substances EPCRA RQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR Particleboard and ingredients (unless listed below)</td>
</tr>
<tr>
<td>N/A</td>
</tr>
<tr>
<td>Formaldehyde</td>
</tr>
<tr>
<td>50-00-0</td>
</tr>
<tr>
<td>Not Listed</td>
</tr>
</tbody>
</table>

| Formaldehyde                                                        | 100 lb EPCRA RQ |

<table>
<thead>
<tr>
<th>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA TPQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR Particleboard and ingredients (unless listed below)</td>
</tr>
<tr>
<td>N/A</td>
</tr>
<tr>
<td>Formaldehyde</td>
</tr>
<tr>
<td>50-00-0</td>
</tr>
<tr>
<td>Not Listed</td>
</tr>
</tbody>
</table>

| Formaldehyde                                                        | 500 lb TPQ |

<table>
<thead>
<tr>
<th>U.S. - CERCLA/SARA - Section 313 - Emission Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR Particleboard and ingredients (unless listed below)</td>
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<td>Formaldehyde</td>
</tr>
<tr>
<td>50-00-0</td>
</tr>
<tr>
<td>Not Listed</td>
</tr>
</tbody>
</table>

| Formaldehyde                                                        | 0.1% de minimis concentration (concentration in product is below de minimis) |

#### United States - California

#### Environment

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
</tr>
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| Wood dust as Wood dust, all soft and hard woods       | 1/1/88 (gas) |

| Wood dust as Wood dust, all soft and hard woods       | 12/18/09    | carcinogen, initial date |

<p>| Wood dust as Wood dust, all soft and hard woods       | carcinogen, initial date |</p>
<table>
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<tr>
<th>Classification method for mixtures</th>
<th>Carcinogenicity classification based upon cut-off values/concentration limits of ingredients.</th>
</tr>
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<tr>
<td>Preparation Date</td>
<td>June 1, 2015</td>
</tr>
<tr>
<td>Disclaimer/Statement of Liability</td>
<td>The information contained in this Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user’s responsibility to determine if the product is suitable for its proposed application(s) and to follow necessary safety precautions. The user has the responsibility to make sure that this sheet is the most up-to-date issue.</td>
</tr>
<tr>
<td></td>
<td>Arauco North America is a trade name used by Flakeboard Company Limited, Flakeboard America Limited, Arauco Panels USA LLC, and other North America affiliates, each of which is an independent company and is not liable or responsible for acts or obligations of its affiliates.</td>
</tr>
</tbody>
</table>
GHS Product Hazard Label

FR Particleboard
According to OSHA 29 CFR 1910.1200 HCS

DANGER

This product is generally an article but is regulated under OSHA for the release of wood dust during mechanical operations releasing wood dust. No adverse health effects are expected if the product is handled in accordance with the product label and the product Safety Data Sheet. Symptoms or effects that may arise if the product is mishandled and overexposure occurs include:

Causes skin irritation.
May cause an allergic skin reaction.
Causes eye irritation.
May cause respiratory irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause cancer via inhalation of respirable dust.
May form combustible dust concentrations in air.

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

IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.

Store away from water and sources of ignition. It is recommended to store the product in an area with relative humidity and temperature that approximates end use conditions.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
California Proposition 65
Notification Requirement

Warning
Drilling, sawing, or machining wood products generates wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

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Atlanta, GA 30328
General Information: 800-261-4890