

<b>Section 1. Chemical Product and Company Identification</b>	
<b>Common Name</b> TRUE NORTH HARDWOOD PLYWOOD	<b>Chemical name</b> Not applicable
<b>Supplier/ Manufacturer</b> True North. 4 Boisvert Crescent P.O. Box 1956 Cochrane, Ontario POL 1C0	<b>Chemical formula</b> Not applicable
<b>Synonym</b> Not available	<b>CAS #</b> Mixture
<b>Trade name</b> True North Hardwood Plywood, True North FSC Certified Plywood, True North Prefinished Hardwood Plywood, FX Plywood and FX-P Plywood	<b>Validation Date</b> 12/18/2008
<b>Product description</b> This panel product veneers, contains hardwood face and back veneers (occasionally decorative softwood veneers) bonded to aspen using urea-formaldehyde resin.	<b>Print Date</b> 12/18/2008
<b>Material Uses</b> For industrial and commercial uses.	<b>Responsible Name</b> True North hardwood plywood
	<b>In Case of Emergency</b> (705) 272-7664

<b>Section 2. Composition and Information on Ingredients</b>					
<b>Name</b>	<b>CAS #</b>	<b>% by Weight</b>	<b>LD50</b>	<b>LC50</b>	<b>Exposure Limits</b>
Hardwood (Aspen)	Not available	95			<b>ACGIH (2008)</b> 1 mg/m <sup>3</sup> TWA A1 Inhalable dust <b>OSHA PEL</b> 15 mg/m <sup>3</sup> TWA Total 5 mg/m <sup>3</sup> Respirable <b>Ontario</b> <b>OEL-reg 833 (2005)</b> 1 mg/m <sup>3</sup> TWAEV Total dust <b>BC reg296-97 (1997)</b> Non-allergenic 1 mg/m <sup>3</sup> K1, A <b>RQMT (Quebec) (2001)</b> 5 mg/m <sup>3</sup> TWA Total
Softwood dust	Not available	95			<b>ACGIH (2008)</b> 1 mg/m <sup>3</sup> TWA A4 Inhalable dust <b>OSHA PEL</b> 15 mg/m <sup>3</sup> TWA Total 5 mg/m <sup>3</sup> Respirable <b>Ontario</b> <b>OEL-reg 833 (2005)</b> 5 mg/m <sup>3</sup> TWAEV Total dust <b>BC reg 296-97 (1997)</b> Non-allergenic 2.5 mg/m <sup>3</sup> K1 <b>RQMT (Quebec) (2001)</b> 5 mg/m <sup>3</sup> TWA Total

**Section 2. Composition and Information on Ingredients**

Urea Formaldehyde Liquid Resin (free formaldehyde (HCOH) gas is less than 0.01% of resin mixture)	Not Available	0.1 - 5			No Exposure Limit Value
UV Surface Coating (Prefinished product only)	Not Available	<0.2			No Exposure Limit Value
Surface Coating (Prefinished product only)	Not Available	<0.2			No Exposure Limit Value

**Section 3. Hazards Identification**

**Hazard** Manual or mechanical cutting or abrasion processes performed on the product may result in generation of wood dust.

**Routes of Entry** Inhalation and contact with skin and eyes.

**Potential Acute Health Effects**

No test data exists on actual mixture. Listed below is the data available on the identified ingredients. May cause irritation to upper respiratory system, eyes and skin.

For further information concerning toxic and hazardous information consult the original MSDSs for formaldehyde and wood dust.

**Potential Chronic Health Effects**

No test data exists on actual mixture. Listed below is the data available on the identified ingredients.

**Wood Dust**

Carcinogenicity

IARC ( Group 1A)- Carcinogenic to Humans

ACGIH (A1)- Certain hard woods, Confirmed Human Carcinogen

BC (K1)- A Confirmed Human Carcinogen

See Toxicological Information (section 11)

**Section 4. First Aid Measures**

**Eye Contact** Wood dust may cause mechanical irritation.  
In case of contact with wood dust, immediately flush eyes with plenty of water for at least 15 minutes, holding lids apart to ensure flushing of each entire eye. Get medical attention immediately.

**Skin Contact** Various species of wood dust may cause allergic contact dermatitis in sensitized individuals.  
In case of contact, flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and footwear.  
Get medical attention if rash or persistent irritation or dermatitis occurs. Wash clothing before reuse.

**Inhalation** Depending on species, wood dust may cause respiratory sensitization and/or irritation.  
If inhaled, remove to fresh air. Get medical advice if persistent irritation, severe coughing or breathing difficulty occurs.

**Ingestion** Not likely to occur.

**Notes to Physician** Respiratory ailments or pre-existing skin conditions may be aggravated by exposure to wood dust.

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**Section 9. Fire Fighting Measures**

<b>Physical State and Appearance</b>	Solid	<b>Odor</b>	Dependent on wood species and time since panel was produced.
<b>Molecular Weight</b>	Not applicable	<b>Taste</b>	Not available
<b>Molecular Formula</b>	Not applicable	<b>Color</b>	Light to dark brown
<b>pH (1% Soln/Water)</b>	Basic		
<b>Boiling/Condensation Point</b>	Not available		
<b>Melting/Freezing Point</b>	Not applicable		
<b>Critical Temperature</b>	Not available		
<b>Specific Gravity</b>	Variable (dependent on wood species and moisture content)		
<b>Vapor Pressure</b>	Not applicable		
<b>Vapor Density</b>	Not available		
<b>Volatility</b>	Not available		
<b>Odor Threshold</b>	Not available		
<b>Evaporation Rate</b>	Not available		
<b>Water/oil dist. coefficient.</b>	Not applicable		
<b>Viscosity</b>	Not applicable		
<b>Ionicity (in Water)</b>	Not available		
<b>Dispersion Properties</b>	Not available		
<b>Solubility</b>	Insoluble in cold water, hot water.		

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Conditions of Instability</b>	Not available
<b>Incompatibility with Various Substances</b>	Wood dust can ignite if it comes in contact with strong oxidizing agents such as perchloric acid and nitric acids, and with strong acids such as sulfuric acid and if it comes in contact with drying oils such as linseed oil.
<b>Hazardous Decomposition Products</b>	Thermal and/or thermal oxidative decomposition can produce irritating and toxic fumes and gases, including carbon monoxide, aldehydes, organic acids and polynuclear aromatic compounds.
<b>Corrosivity</b>	Not applicable

**Section 11. Toxicological Information**

<b>Routes of Entry</b>	Inhalation and contact with skin and eyes.
<b>Chronic Effects on Humans</b>	No test data exists on the actual mixture. Listed below is the data available on wood dust: Exposure to wood dust may cause asthmatic symptoms and signs. Chronic exposure to some species of wood and sensitivity of some worker's may cause the outbreak of some allergies that can become a potential health hazard to these individuals.
<b>Acute Effects on Humans</b>	No test data exists on the actual mixture.
<b>Skin Contact</b>	<b>CAUSES IRRITATION AND SENSITIZATION.</b> Dermatitis has been reported in humans, nature of the wood and origin of the dust has to be taken into consideration as well as an exposure to formaldehyde during cutting or sanding operations of this product. However, because the quantity of resin in this product is very small, the risk of exposure to formaldehyde during cutting and sanding operations must be considered of very low.
<b>Skin Absorption</b>	No test data exists on the actual mixture.
<b>Eye Contact</b>	<b>CAUSES EYE IRRITATION.</b> Conjunctivitis has been reported in humans, nature of the wood and origin of the dust has to be taken into consideration.

**Section 11. Toxicological Information**

<b>Inhalation</b>	<b>CAUSES IRRITATION AND SENSITIZATION.</b> No test data available on actual mixture. Data available on identified ingredients are listed below. Inhalation of wood dust may irritate the respiratory tract by causing: drying of the mucus, sneezing, irritating cough and expectoration. May cause some difficulty in breathing such as: bronchitis, nasal discharge, respiratory tract obstruction and more. May sensitize the respiratory system and cause asthmatic symptoms and signs. People with existing respiratory tract ailments, (e.g. bronchitis) should avoid exposures to wood dust as they may suffer severe irritation and difficulty in breathing. Some reports suggest that formaldehyde may cause respiratory sensitization, such as asthma, and pre-existing respiratory sensitization may be aggravated by exposure. However, because the quantity of resin in this product is very small, the risk of exposure to formaldehyde during cutting and sanding operations must be considered of very low.
<b>Ingestion</b>	Not applicable Not likely to occur.
<b>Irritancy of product</b>	No test data available on the actual mixture.
<b>Sensitization</b>	No test data available on actual mixture. Data available on identified ingredients demonstrate sensitization to upper respiratory system, eyes and skin.
<b>Carcinogenic Effects</b>	No test data available on actual mixture. Data available on: <b>Formaldehyde</b> IARC (Group 1A)- Carcinogenic to Humans ACGIH ( A2)- Suspected Human Carcinogen BC (K2)- A Suspected Human Carcinogen <b>Wood Dust</b> IARC ( Group 1A) Carcinogenic to Humans ACGIH (A1) Certain hard woods-Confirmed Human Carcinogen BC (K1)- A Confirmed Human Carcinogen Nasal carcinoma has been reported in furniture industries and an increase of Hodgkin's disease has been reported in other wood working industries, especially in sawmills.
<b>Teratogenicity</b>	Not available
<b>Mutagenicity</b>	No test data available on actual mixture. Data available on: <b>Wood dust</b> Exposure to wood dust may cause cellular changes in the nasal epithelium.
<b>Reproductive Effects</b>	No test data exists on the actual mixture.

**Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not available
<b>BOD<sub>5</sub> and COD</b>	Depending on the kind of wood
<b>Toxicity of the Products of</b>	Possibly hazardous short term and long term degradation products are unlikely.
<b>Biodegradation</b>	Depending of the kind of wood Possibly hazardous short term degradation products are unlikely. Long term degradation products may arise due to formaldehyde.
<b>Special Remarks on the Environment</b>	Biodegradation of the wood may lower oxygen levels in water which may be hazardous to aquatic life.

**Section 13. Ecological Information**

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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**Section 14. Transport Information**

<b>Classification</b>	Not applicable
<b>PIN</b>	Not applicable
<b>Special Provisions for Transport</b>	None

**Section 15. Regulatory Information**

<b>U.S. Federal Regulations</b>	The product is not controlled under the US Hazard Communication Rule (29 CFR 1900.1200).
<b>Canadian Regulations</b>	The product is not controlled under WHMIS. It has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.
<b>Other Regulations</b>	Not applicable

**Section 16. Other Information**

<b>Other Special Considerations</b>	The 16 heading format MSDS complies with WHMIS criteria and follows the structure set forth by ANSI Z400.1-1998.
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Validated by True North on 12/18/2008

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**Notice to Reader**

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