

# SYP Lumber

## SECTION 1. IDENTIFICATION

|                                      |  |
|--------------------------------------|--|
| <b>Product Identifier</b>            | SYP Lumber   |
| <b>Other Means of Identification</b> | Wood, timber, logs, poles, planks, slats   |
| <b>Other Identification</b>          | Southern Yellow Pine (SYP) lumber/wood   |
| <b>Product Family</b>                | Lumber   |
| <b>Recommended Use</b>               | The product is used for building and construction purposes.  |
| <b>Manufacturer / Supplier</b>       | West Fraser, 1900 Exeter Road, Germantown, TN, 38138, 901-620-4200                                 |
| <b>Emergency Phone No.</b>           | West Fraser (Name not available), 1-604-895-2700 (fax: 1-604-681-6061)<br>Chemtrec, 1-800-424-9300 |
| <b>SDS No.</b>                       | 009  |
| <b>Date of Preparation</b>           | October 14, 2015   |

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Skin corrosion/irritation - Category 2; Serious eye damage/eye irritation - Category 2A; Carcinogenicity - Category 1; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 1

OSHA Defined Hazards: Combustible dust

### GHS Label Elements



Note the hazards are determined based on wood dust (softwood) generated as a result of cutting, sanding or disturbing the product.

Signal Word:

Danger

Hazard Statement(s):

|      |   |
|------|---|
| H315 | Causes skin irritation.   |
| H319 | Causes serious eye irritation.  |
| H350 | May cause cancer if inhaled.  |
| H335 | May cause respiratory irritation.   |
| H372 | Causes damage to organs (respiratory system) through prolonged or repeated exposure if inhaled. |

Precautionary Statement(s):

Prevention:

|      |  |
|------|--|
| P264 | Wash hands and skin thoroughly after handling. |
| P280 | Wear protective gloves.                        |
| P280 | Wear eye protection/face protection.           |
| P201 | Obtain special instructions before use.        |

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P202 Do not handle until all safety precautions have been read and understood.  
P271 Use only outdoors or in a well-ventilated area.  
P260 Do not breathe dust.  
P270 Do not eat, drink or smoke when using this product.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water/  
P321 Specific treatment (see supplemental first aid instruction on this label).  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTRE/doctor if you feel unwell.

Disposal:

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

**Other Hazards**

May form combustible dust concentrations in the air.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name                                   | CAS No.       | %   | Other Identifiers                      |
|---|---------------|-----|--|
| softwood, allergenic and non-allergenic species | Not available | 100 | Wood dust (ligno-cellulosic materials) |

**Notes**

Concentration of ingredients is presented according to WHMIS.

The hazards presented for SYP Lumber products pertain to wood dust from softwood, allergenic and non-allergenic species. No CAS Number is available.

Concentrations are expressed in % weight/weight.

N.Av. = Not Available

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures**

**Inhalation**

Inhalation information pertains to wood dust. Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), get medical attention. Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment).

**Skin Contact**

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 to 10 minutes. If skin irritation or a rash occurs, get medical advice/attention. Clean clothing, shoes and leather goods.

**Eye Contact**

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 to 10 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

**Ingestion**

Rinse mouth with water. Get medical advice/attention if you feel unwell or are concerned.

**First-aid Comments**

Provide general supportive measures (comfort, warmth, rest). If exposed or concerned, get medical advice/attention.

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### **Most Important Symptoms and Effects, Acute and Delayed**

Information pertains to wood dust. Can irritate the nose and throat. Can cause lung injury. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. May cause asthma or an asthma-like reaction in some people. Repeated or prolonged exposure can irritate the skin. May cause an allergic skin reaction in some people.

### **Immediate Medical Attention and Special Treatment**

#### **Target Organs**

Eyes, skin and respiratory system.

#### **Special Instructions**

Not available based on the literature reviewed.

#### **Medical Conditions Aggravated by Exposure**

Pre-existing skin and respiratory conditions.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Wood dust is combustible. Use extinguishing agent suitable for surrounding fire (Class A): Carbon dioxide, dry chemical powder, foam, water spray or fog.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Chemical**

Combustible dust. May form combustible dust concentration in air.

Hazardous and thermal combustion products include: carbon monoxide, carbon dioxide, soot, and toxic and irritating fumes and gases, such as aldehydes, organic acids and polynuclear aromatic compounds.

### **Special Protective Equipment and Precautions for Fire-fighters**

Evacuate area. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases.

Dust explosion hazard. Use water spray or fog to prevent dust formation and minimize risk of explosion.

If entry into area is required wear positive pressure SCBA and full Bunker Gear.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Information is based on wood dust.

For release of large quantities of dust: evacuate the immediate area. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Before entry, especially into confined areas, spray water or use a water mister to reduce dust to a minimum. Remove or isolate incompatible materials, ignition sources as well as other hazardous materials.

### **Environmental Precautions**

Although none specifically required for wood dusts: it is good practice to prevent releases into the environment. If a large quantity of dust is present inside a building, prevent it from entering drains, ventilation systems and confined areas.

### **Methods and Materials for Containment and Cleaning Up**

Based on wood dust: Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Avoid dust generation as wood dust is combustible. Apply water to dust before cleaning up (if using a shovel/broom). Avoid dry sweeping or using pneumatic powered air hoses to blow away dust. A HEPA vacuum (explosion proof) may be used. Place dust into suitable, covered, labeled containers for disposal.

### **Other Information**

Report large dust releases into the environment to local health, safety and environmental authorities, as required.

Dispose dust in accordance with municipal, province/state, and federal requirements.

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## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

No special handling procedures are required for the undisturbed product.

The following information is based on wood dust; avoid generating dusts.

Avoid breathing in dust and prevent skin contact (repeated or prolonged skin contact). Do not get dust in eyes. Wear personal protective equipment to avoid direct contact with the dust.

General hygiene considerations: do NOT smoke in work areas. Do NOT eat, drink or store food in work areas. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area.

### Conditions for Safe Storage

Store in an area that is cool and dry and separate from incompatible materials (see Section 10: Stability and Reactivity). Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity). Follow all precautions given on this safety data sheet.

Comply with all applicable health and safety regulations, fire and building codes.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Chemical Name                                   | ACGIH® TLV®                     |          | OSHA PEL             |      | NIOSH REL             |      |
|---|---------------------------------|----------|----------------------|------|-----------------------|------|
|   | TWA                             | STEL [C] | TWA                  | STEL | TWA                   | STEL |
| softwood, allergenic and non-allergenic species | 1.0 mg/m <sup>3</sup> (I)<br>A4 |          | 15 mg/m <sup>3</sup> |      | 1.0 mg/m <sup>3</sup> |      |

The OSHA PEL of 15 mg/m<sup>3</sup> is for total dust (particulates not otherwise classified (PNOC)) and has a TWA exposure limit of 5 mg/m<sup>3</sup> for the respirable fraction.

Allergenic and non-allergenic softwood species have an IARC 1 notation (Carcinogenic to Humans).

All softwood dusts have an ACGIH A4 notation (Not Classifiable as a Human Carcinogen).

The product may be hazardous if disturbed to create dust (e.g. sanding, cutting). Exposure controls are recommended based on wood dust of softwood, allergenic and non-allergenic species.

Consult local authorities for provincial or state exposure limits. ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. C = Ceiling limit. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. I = Inhalable fraction. A4 = Not classifiable as a human carcinogen. NIOSH = National Institute for Occupational Safety and Health. REL = Recommended Exposure Limit.

### Appropriate Engineering Controls

For large scale use of this product (industrial manufacturing):

Engineering methods to control hazardous conditions (dust) are preferred. Methods include mechanical ventilation (dilution and local exhaust), process or personnel enclosure, control of process conditions, and process modification (e.g. reduction of dust generating tasks).

Do not allow dust from the product to accumulate in the air in work or storage areas, or in confined spaces.

Exhaust dust directly to the outside through explosion proof ducting / ventilation systems, taking any necessary precautions for environmental protection.

If engineering controls, administrative controls and work practices are not effective in controlling exposure to dust from this product, then wear suitable personal protective equipment including approved respiratory protection.

### Individual Protection Measures

#### Eye/Face Protection

Not required if product is used as directed. Wear safety glasses with side shields and face shield if cutting or sanding product with power tools and dusty conditions exist.

#### Skin Protection

Wear leather/cotton gloves when handling product. If cutting or sanding product and dusty conditions exist wear protective clothing (cotton coveralls).

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## Respiratory Protection

Respirators are not normally required if the product is used with minimal disturbance and minimal dust is generated. The following respirator requirements are recommended for dusty conditions.

If the product is disturbed (e.g., cutting, sanding): wear a minimum half facepiece respirator with P100 cartridges for protection against wood dusts and their applicable exposure standards. Wear a half facepiece respirator for protection up to 10 times the exposure standard and a tight fitting full facepiece respirator for protection up to 50 times the exposure standard.

Recommendations apply only to NIOSH approved respirators.

Consult an Industrial Hygienist for respirator decisions depending on work environment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|   |   |
|---|---|
| <b>Appearance</b>                                       | Light brown - yellow.   |
| <b>Odour</b>  | Not available   |
| <b>Odour Threshold</b>                                  | Not available   |
| <b>pH</b>   | Not applicable  |
| <b>Melting Point/Freezing Point</b>                     | Not applicable (melting); Not applicable (freezing)   |
| <b>Initial Boiling Point/Range</b>                      | Not applicable  |
| <b>Flash Point</b>                                      | Not applicable  |
| <b>Evaporation Rate</b>                                 | Not applicable  |
| <b>Flammability (solid, gas)</b>                        | Not available   |
| <b>Vapour Pressure</b>                                  | Not applicable  |
| <b>Vapour Density (air = 1)</b>                         | Not applicable  |
| <b>Relative Density (water = 1)</b>                     | < 1   |
| <b>Solubility</b>                                       | Insoluble in water; Not available (in other liquids)  |
| <b>Partition Coefficient, n-Octanol/Water (Log Kow)</b> | Not applicable  |
| <b>Auto-ignition Temperature</b>                        | 204 - 260 °C (399 - 500 °F)   |
| <b>Decomposition Temperature</b>                        | Not available   |
| <b>Viscosity</b>  | Not applicable (kinematic); Not applicable (dynamic)  |
| <b>Other Information</b>                                |   |
| <b>Physical State</b>                                   | Solid   |
| <b>Molecular Formula</b>                                | Not available   |
| <b>Molecular Weight</b>                                 | Not available   |
| <b>Critical Temperature</b>                             | Not available   |
| <b>Other Physical Property 1</b>                        | Lower Explosive Limit: 40 g/m <sup>3</sup> (wood dust); Upper Explosive Limit: Variable (wood dust)   |
| <b>Other Physical Property 2</b>                        | The autoignition temperature, LEL and UEL for wood dust vary with exact composition, particle size, moisture level, rate of heating and dust concentration. |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Softwood, allergenic and non-allergenic species: Not reactive under normal conditions of use. Reactive with oxidizing materials. Combustible in the presence of open flames, sparks and static discharge. See Incompatible Materials for a list of chemical reactions that could occur with other materials.

### **Chemical Stability**

Softwood, allergenic and non-allergenic species: Normally stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

### **Possibility of Hazardous Reactions**

Softwood, allergenic and non-allergenic species: None expected under normal conditions of storage and use.

### **Conditions to Avoid**

Softwood, allergenic and non-allergenic species: Generation of dust through cutting, sanding or disturbing the pure product. Open flames, sparks, static discharge, heat and other ignition sources. May form explosive dust-air mixtures. Temperatures to avoid: above 204 °C (399 °F).

### **Incompatible Materials**

Softwood, allergenic and non-allergenic species: Incompatible with oxidizing materials.

Corrosivity to metals: No information is available. Not anticipated to be corrosive to metals.

### **Hazardous Decomposition Products**

Softwood, allergenic and non-allergenic species: Under normal conditions of storage and use, hazardous decomposition products should not be produced. If a fire occurs, hazardous combustion products will be emitted: carbon monoxide, carbon dioxide, soot, and toxic and irritating fumes and gases, such as aldehydes, organic acids and polynuclear aromatic compounds.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

The toxicity of wood products pertains to the dust created or generated by the processing or disturbance (cutting, sanding) of the raw product.

### **Likely Routes of Exposure**

Inhalation; skin contact; eye contact.

### **Acute Toxicity**

No information was found in the literature reviewed.

LD50 (oral): > 5,000 mg/kg

No information was found in the literature reviewed.

### **Skin Corrosion/Irritation**

Softwood, allergenic and non-allergenic species - Handling and/or processing this material may generate a dust which can cause irritation of the skin. Potential symptoms include dermatitis.

### **Serious Eye Damage/Irritation**

Softwood, allergenic and non-allergenic species - Handling and/or processing this material may generate a dust which can cause irritation of the eyes.

### **STOT (Specific Target Organ Toxicity) - Single Exposure**

#### **Inhalation**

Softwood, allergenic and non-allergenic species - Handling and/or processing this material may generate a dust which can cause respiratory tract irritation, asthma, coughing / wheezing, allergic reactions and sinusitis.

#### **Skin Absorption**

No information is available based on the literature reviewed.

#### **Ingestion**

No information is available based on the literature reviewed.

### **Aspiration Hazard**

Not applicable.

### **STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Softwood, allergenic and non-allergenic species - Repeated inhalation of dust can produce varying degrees of respiratory irritation or lung damage. Chronic exposure to wood dusts can result in dermatitis reactions, asthma, pneumonitis, coughing, changes in nasal mucosa, wheezing, fever and other signs and symptoms associated with chronic bronchitis.

### **Respiratory and/or Skin Sensitization**

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No information is available based on the literature reviewed.

### **Carcinogenicity**

| <b>Chemical Name</b>                            | <b>IARC</b> | <b>ACGIH®</b> | <b>NTP</b> | <b>OSHA</b> |
|---|-------------|---------------|------------|-------------|
| softwood, allergenic and non-allergenic species | Group 1     | A4            | Not Listed | Not Listed  |

Allergenic and non-allergenic softwood species: IARC 1 notation (Carcinogenic to Humans). Wood dusts are a potential nasal cancer. All softwood dusts have an ACGIH A4 notation (Not Classifiable as a Human Carcinogen).

#### **Key to Abbreviations**

IARC = International Agency for Research on Cancer. Group 1 = Carcinogenic to humans. ACGIH® = American Conference of Governmental Industrial Hygienists. A4 = Not classifiable as a human carcinogen. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration.

### **Reproductive Toxicity**

#### **Development of Offspring**

No information is available based on the literature reviewed.

#### **Sexual Function and Fertility**

No information is available based on the literature reviewed.

#### **Effects on or via Lactation**

No information is available based on the literature reviewed.

### **Germ Cell Mutagenicity**

No information is available based on the literature reviewed.

### **Interactive Effects**

No information is available based on the literature reviewed.

## **SECTION 12. ECOLOGICAL INFORMATION**

Inclusion of Ecological Information on a Safety Data Sheet (SDS) is optional under the US Hazard Communication Standard (2012), and the Canadian WHMIS regulations. In other jurisdictions, inclusion of Ecological Information may be a requirement. For specific requirements, contact the relevant regulatory authorities in the jurisdiction where the SDS is intended to be used.

### **Toxicity**

No information is available based on the literature reviewed.

### **Persistence and Degradability**

No information is available based on the literature reviewed.

### **Bioaccumulative Potential**

No information is available based on the literature reviewed.

### **Mobility in Soil**

No information is available based on the literature reviewed.

### **Other Adverse Effects**

No information is available based on the literature reviewed.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

Store product for disposal as described under Storage in Section 7 of this safety data sheet.  
Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## **SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations. Not regulated under IATA

Regulations.

| Regulation   | UN No.        | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|---------------|----------------------|----------------------------|---------------|
| IMO (Marine) | Not regulated |                      |                            |               |

**Environmental Hazards** Not applicable

**Special Precautions for User** Please note: No information is available based on the literature reviewed.

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**Emergency Response Guide No.** No information is available for the pure product.

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

Wood and wood products are exempt from WHMIS reporting requirements and classification and disclosure is voluntary on MSDS. GHS reporting requirements are based on the intended use of the product.

#### Canada

##### WHMIS Classification



Class D2A; D2B

D2A - Very Toxic (Carcinogenicity); D2B - Toxic (Skin irritant; Eye irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Not Listed

##### CEPA - National Pollutant Release Inventory (NPRI)

Not Listed

#### USA

##### Additional USA Regulatory Lists

EPA SARA Title III

Section 302 EPCRA Extremely Hazardous Substances (EHS): Not applicable

Section 304 CERCLA Hazardous Substances: Not applicable

Section 311/312 Hazard Categorization: Not applicable

Section 313 EPCRA Toxic Substances: Not applicable

TSCA: Not listed

OSHA: Considered nuisance dust under Hazard Communication Act (29CFR1910.1200)

RCRA: Not applicable

CAA: Not applicable

US State Notifications & Warnings:

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California Proposition 65: This product contains constituents known by the State of California to cause cancer (wood dust).

New Jersey  
Identification: Right-to-Know  
Warning: wood dust

Pennsylvania  
Identification: Right-to-Know  
Warning: Wood dust

Minnesota  
Identification: Right-to-Know  
Warning: wood dust

## SECTION 16. OTHER INFORMATION

|                             |   |
|-----------------------------|---|
| <b>NFPA Rating</b>          | <b>Health - 2</b> <b>Flammability - 2</b> <b>Instability - 0</b><br><b>Based on</b> softwood, allergenic and non-allergenic species   |
| <b>SDS Prepared By</b>      | Amec Foster Wheeler Environment & Infrastructure  |
| <b>Phone No.</b>            | 604-294-3811  |
| <b>Date of Preparation</b>  | October 14, 2015  |
| <b>Key to Abbreviations</b> | % - Percent<br>°C – Degrees Celsius<br>°F – Degrees Farenhuit<br>hr – Hour<br>kg - Kilogram<br>L - Litre<br>Ppm - parts per million<br>LC50 – Airborne concentration required to produce 50% mortality in animal test subjects.<br>LD50 – Dose (provided either orally, or dermally) required to produce 50% mortality in animal test subjects.<br>mg/m3 – milligrams of contaminant per cubic metre of air<br>mmHg – Millimetres of mercury<br>N.Ap. – Not applicable<br>N.Av. Not available<br>ACGIH – American Conference of Governmental Industrial Hygienists<br>CALIFORNIA EPA PROPOSITION 65 – List of Carcinogens and Reproductive Toxins recognized in California Environmental Protection Agency<br>CAS No. – Chemical Abstract Society Number<br>CERCLA – US Comprehensive Environmental Response, Compensation, and Liability Act<br>PEL – Permissible Exposure Level<br>RCRA – US Resource and Conservation Recovery Act<br>REL – Recommended Exposure Limit<br>SARA TITLE III – US Superfund Amendments and Reauthorization Act<br>TLV – Threshold Limit Value<br>TSCA – US Toxic Substances Control Act<br>TWA – Time Weighted Average<br>UN/NA – United Nations / North American Product Identification Number<br>WHMIS – Workplace Hazardous Materials Information System<br>AIHA = American Industrial Hygiene Association<br>HSDB® = Hazardous Substances Data Bank<br>NTP = National Toxicology Program<br>OSHA = US Occupational Safety and Health Administration<br>RTECS® = Registry of Toxic Effects of Chemical Substances |

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## References

GHS - Global Harmonized System

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Carex Canada. Viewed October 2015. Available at: [http://www.carexcanada.ca/en/wood\\_dust/?print](http://www.carexcanada.ca/en/wood_dust/?print)

National Institute for Occupational Safety and Health. Viewed October 2015. Available at: <http://www.cdc.gov/niosh/pel88/wooddust.html>

American Conference of Governmental Industrial Hygienists. Wood Dusts. 2005.

This product has been classified in accordance with the hazard criteria for the Controlled Products Regulations (CPR) and the Global Harmonized System (GHS) and the MSDS / SDS contains all of the information required by the CPR and GHS." At the time of preparation, the

## Disclaimer

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information and data contained in this MSDS / SDS are believed to be accurate and have been compiled from sources that are believed to be reliable (e.g., CCOHS CHEMINFO, HSDB, RTECS, DSL/NDSL, ESIS, ECHA, online information).

West Fraser provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Accordingly, West Fraser will not be responsible for damages resulting from use of or reliance upon this information. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of this company's knowledge and believed accurate and reliable as of the date indicated.

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