

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### Product Identifier

**Product Name:** Plywood

**Formula:** May consist of the following species: Ponderosa Pine, Lodgepole Pine, Douglas Fir, Western Larch, Engleman Spruce and Grand Fir.

### Intended Use of the Product

**Use of the Substance/Mixture:** Construction

### Name, Address, and Telephone of the Responsible Party

#### **Company**

Plum Creek Timber Company

PO Box 1990

Columbia Falls, MT 59912

406-892-6200

[www.plumcreek.com](http://www.plumcreek.com)

#### **Manufacturer**

Plum Creek Northwest Manufacturing

500 12<sup>th</sup> Ave. West

Columbia Falls, MT 59912

406-892-6150

### Emergency Telephone Number

**Emergency number** : 406-892-6200

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### **Classification (GHS-US)**

Combustible Dust

Resp. Sens. 1 H334

Skin Sens. 1 H317

Carc. 1A H350

STOT SE 3 H335

### Label Elements

#### **GHS-US Labeling**

#### **Hazard Pictograms (GHS-US)**



#### **Signal Word (GHS-US)**

: Danger

#### **Hazard Statements (GHS-US)**

: May form combustible dust concentrations in air  
 H317 - May cause an allergic skin reaction  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 H335 - May cause respiratory irritation  
 H350 - May cause cancer

#### **Precautionary Statements (GHS-US)**

: P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P261 - Avoid breathing dust, vapors.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P280 - Wear protective gloves, protective clothing, eye protection.  
 P284 - [In case of inadequate ventilation] wear respiratory protection.  
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P308+P313 - IF exposed or concerned: Get medical advice/attention.  
 P312 - Call a POISON CENTER or doctor if you feel unwell.

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P321 - Specific treatment (see Section 4).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

### **Other Hazards**

**Other Hazards Not Contributing to the Classification:** Dust generated from material cutting may cause irritation. Slivers may be generated, which could cause mechanical irritation, injure the eye, or puncture the skin, causing an infection.

**Unknown Acute Toxicity (GHS-US):** Not available

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### **Mixture**

| Name                               | Product identifier  | % (w/w) | Classification (GHS-US)  |
|------------------------------------|---------------------|---------|--|
| Wood dust, all soft and hard woods | (CAS No) RR-00514-1 | >= 99   | Combustible Dust<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Carc. 1A, H350<br>STOT SE 3, H335 |

Full text of H-phrases: see section 16

## **SECTION 4: FIRST AID MEASURES**

### **Description of First Aid Measures**

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Call a POISON CENTER/doctor/physician if you feel unwell.

**Skin Contact:** Brush off loose particles from skin. Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub. Obtain medical attention if irritation develops or persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting.

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

**General:** Irritation to eyes, skin and respiratory tract.

**Inhalation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause cancer by inhalation.

**Skin Contact:** Prolonged contact with large amounts of dust may cause mechanical irritation. Exposure may produce an allergic reaction.

**Eye Contact:** Dust generated from material cutting may cause a slight irritation. Slivers may be generated, which could cause mechanical irritation or injure the eye.

**Ingestion:** Gastrointestinal irritation

**Chronic Symptoms:** Repeated or prolonged inhalation may damage lungs. May cause cancer by inhalation. Inhalation may cause allergic respiratory reaction with asthma-like symptoms and difficulty breathing. May cause an allergic skin reaction.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If you feel unwell, seek medical advice (show the label where possible).

## **SECTION 5: FIREFIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Media:** Dry chemical powder, water spray, fog, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

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### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Combustible Dust

**Explosion Hazard:** Dust clouds can be explosive.

**Reactivity:** Stable at ambient temperature and under normal conditions of use.

### Advice for Firefighters

**Precautionary Measures Fire:** Fight fire with normal precautions from a reasonable distance.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>).

### Reference to Other Sections

Refer to section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Minimize all contact with skin, eyes, or clothing. Prevent inhalation of dust through use of personal protective equipment (PPE) and adequate ventilation. Minimize dust accumulations and follow proper housekeeping practices. Keep away from heat, sparks, open flames, and sources of ignition. No smoking.

### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate danger area. Eliminate ignition sources.

### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Eliminate ignition sources. Ventilate area. If possible, stop flow of product.

**Environmental Precautions** Not available

### Methods and Material for Containment and Cleaning Up

**For Containment:** Minimize generation of dust while cleaning up and eliminate all generation of sparks.

**Methods for Cleaning Up:** Clear up dust immediately and dispose of waste safely. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Use only non-sparking tools.

### Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Additional Hazards When Processed:** 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. Keep away from heat, sparks, open flames, and sources of ignition. No smoking.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

### Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

### Specific End Use(s)

Construction

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Wood Dust                                       |                                      |  |
|---|--------------------------------------|--|
| USA OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 15 mg/m <sup>3</sup> (total) or 5 mg/m <sup>3</sup> (resp) |
| Wood dust, all soft and hard woods (RR-00514-1) |                                      |  |
| USA NIOSH                                       | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 1 mg/m <sup>3</sup>  |

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|-----------------------|-------------------------------|--|
| Alberta               | OEL TWA (mg/m <sup>3</sup> )  | 5 mg/m <sup>3</sup> (total)  |
| Nunavut               | OEL STEL (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup>   |
| Nunavut               | OEL TWA (mg/m <sup>3</sup> )  | 5 mg/m <sup>3</sup>  |
| Northwest Territories | OEL STEL (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup>   |
| Northwest Territories | OEL TWA (mg/m <sup>3</sup> )  | 5 mg/m <sup>3</sup>  |
| Québec                | VEMP (mg/m <sup>3</sup> )     | 5 mg/m <sup>3</sup> (except red cedar, containing no Asbestos, <1% Crystalline silica) |
| Yukon                 | OEL STEL (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> (allergenic, including cedar, mahogany, teak)                      |
| Yukon                 | OEL TWA (mg/m <sup>3</sup> )  | 2.5 mg/m <sup>3</sup> (allergenic, including cedar, mahogany, teak)                    |

### Exposure Controls

**Appropriate Engineering Controls:** Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Use appropriate equipment that does not generate sparks. Provide adequate ventilation to minimize dust concentrations.

**Personal Protective Equipment:** Dust formation: dust mask. Dust production: protective goggles. Gloves. Protective clothing.



**Materials for Protective Clothing:** Impermeable, puncture-resistant material.

**Hand Protection:** Impermeable cloth gloves.

**Eye Protection:** In case of dust production: protective goggles.

**Skin and Body Protection:** Wear suitable protective clothing. Wash contaminated clothing before reuse.

**Respiratory Protection:** Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

|  |                                  |
|--|----------------------------------|
| Physical State                             | : Solid                          |
| Appearance                                 | : Wood dust (tan to light brown) |
| Odor                                       | : Slight wood odor               |
| Odor Threshold                             | : Not available                  |
| pH   | : Not available                  |
| Relative Evaporation Rate (butylacetate=1) | : Not available                  |
| Melting Point                              | : Not available                  |
| Freezing Point                             | : Not available                  |
| Boiling Point                              | : Not available                  |
| Flash Point                                | : Not available                  |
| Auto-ignition Temperature                  | : 204 – 260 °C (400 – 500 °F)    |
| Decomposition Temperature                  | : Not available                  |
| Flammability (solid, gas)                  | : Not available                  |
| Lower Flammable Limit                      | : Not available                  |
| Upper Flammable Limit                      | : Not available                  |
| Vapor Pressure                             | : Not available                  |
| Relative Vapor Density at 20 °C            | : Not available                  |
| Relative Density                           | : Not available                  |
| Specific Gravity                           | : Not available                  |
| Solubility                                 | : Insoluble in water             |
| Log Pow                                    | : Not available                  |
| Log Kow                                    | : Not available                  |
| Viscosity, Kinematic                       | : Not available                  |

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|  |                 |
|--|-----------------|
| <b>Viscosity, Dynamic</b>                                | : Not available |
| <b>Explosion Data – Sensitivity to Mechanical Impact</b> | : Not available |
| <b>Explosion Data – Sensitivity to Static Discharge</b>  | : Not available |

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Stable at ambient temperature and under normal conditions of use.  
**Chemical Stability:** Dust clouds can be explosive.  
**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.  
**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Avoid formation of dust.  
**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.  
**Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>). Formaldehyde.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects - Product

**Acute Toxicity** : Not classified  
**LD50 and LC50 Data:** Not available  
**Skin Corrosion/Irritation:** Not classified  
**Serious Eye Damage/Irritation:** Not classified  
**Respiratory or Skin Sensitization:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  
**Germ Cell Mutagenicity:** Not classified  
**Teratogenicity:** Not available  
**Carcinogenicity:** May cause cancer.  
**Specific Target Organ Toxicity (Repeated Exposure):** Not classified  
**Reproductive Toxicity:** Not classified  
**Specific Target Organ Toxicity (Single Exposure):** May cause respiratory irritation.  
**Aspiration Hazard:** Not classified  
**Symptoms/Injuries After Inhalation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause cancer by inhalation.  
**Symptoms/Injuries After Skin Contact:** Prolonged contact with large amounts of dust may cause mechanical irritation. Exposure may produce an allergic reaction.  
**Symptoms/Injuries After Eye Contact :** Dust generated from material cutting may cause a slight irritation. Slivers may be generated, which could cause mechanical irritation or injure the eye.  
**Symptoms/Injuries After Ingestion:** Gastrointestinal irritation.  
**Chronic Symptoms:** Repeated or prolonged inhalation may damage lungs. May cause cancer by inhalation. Inhalation may cause allergic respiratory reaction with asthma-like symptoms and difficulty breathing. May cause an allergic skin reaction.

#### Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data** Not available

|  |                        |
|--|------------------------|
| <b>Wood dust, all soft and hard woods (RR-00514-1)</b> |                        |
| IARC Group   | 1                      |
| National Toxicity Program (NTP) Status                 | Known human carcinogen |

### SECTION 12: ECOLOGICAL INFORMATION

**Toxicity** Not available

#### Persistence and Degradability

|                               |                  |
|-------------------------------|------------------|
| <b>Plywood</b>                |                  |
| Persistence and Degradability | Not established. |

#### Bioaccumulative Potential

|                           |                  |
|---------------------------|------------------|
| <b>Plywood</b>            |                  |
| Bioaccumulative Potential | Not established. |

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**Mobility in Soil** Not available

### **Other Adverse Effects**

**Other Information:** Avoid release to the environment.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## **SECTION 14: TRANSPORT INFORMATION**

**In Accordance With ICAO/IATA/DOT/TDG**

**UN Number** Not regulated for transport

**UN Proper Shipping Name** Not regulated for transport

**Transport by sea** Not regulated for transport

**Air transport** Not regulated for transport

## **SECTION 15: REGULATORY INFORMATION**

### **US Federal Regulations**

|  |   |
|--|---|
| <b>Plywood</b>                             |   |
| <b>SARA Section 311/312 Hazard Classes</b> | Fire hazard<br>Delayed (chronic) health hazard<br>Immediate (acute) health hazard |

### **US State Regulations**

|  |  |
|--|--|
| <b>Wood dust, all soft and hard woods (RR-00514-1)</b>       |  |
| <b>U.S. - California - Proposition 65 - Carcinogens List</b> | WARNING: This product contains chemicals known to the State of California to cause cancer. |

|   |  |
|---|--|
| <b>Wood dust, all soft and hard woods (RR-00514-1)</b>                                      |  |
| U.S. - Illinois - Toxic Air Contaminant Carcinogens   |  |
| U.S. - Michigan - Occupational Exposure Limits - STELs                                      |  |
| U.S. - Michigan - Occupational Exposure Limits - TWAs                                       |  |
| U.S. - Minnesota - Hazardous Substance List   |  |
| U.S. - Minnesota - Permissible Exposure Limits - STELs                                      |  |
| U.S. - Minnesota - Permissible Exposure Limits - TWAs                                       |  |
| U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour |  |
| U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual  |  |
| U.S. - New Jersey - Right to Know Hazardous Substance List                                  |  |
| U.S. - New Jersey - Special Health Hazards Substances List                                  |  |
| U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour                    |  |
| U.S. - Oregon - Permissible Exposure Limits - TWAs  |  |
| U.S. - Tennessee - Occupational Exposure Limits - STELs                                     |  |
| U.S. - Tennessee - Occupational Exposure Limits - TWAs                                      |  |
| U.S. - Vermont - Permissible Exposure Limits - STELs  |  |
| U.S. - Vermont - Permissible Exposure Limits - TWAs   |  |
| U.S. - Washington - Permissible Exposure Limits - STELs                                     |  |
| U.S. - Washington - Permissible Exposure Limits - TWAs                                      |  |

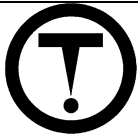
### **Canadian Regulations**

|                             |   |
|-----------------------------|---|
| <b>Plywood</b>              |   |
| <b>WHMIS Classification</b> | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects |

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

### SECTION 16: OTHER INFORMATION

**Indication of Changes**

: 07/15/2015

**Other Information**

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

**GHS Full Text Phrases:**

|               |   |
|---------------|---|
| Carc. 1A      | Carcinogenicity Category 1A   |
| Comb. Dust    | Combustible Dust  |
| Resp. Sens. 1 | Respiratory sensitisation Category 1                                      |
| Skin Sens. 1  | Skin sensitization Category 1   |
| STOT SE 3     | Specific target organ toxicity (single exposure) Category 3               |
| H317          | May cause an allergic skin reaction                                       |
| H334          | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H335          | May cause respiratory irritation  |
| H350          | May cause cancer  |

**Party Responsible for the Preparation of This Document**

Plum Creek Timber Company

Phone Number: 406-892-6200

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

North America GHS US 2012 & WHMIS