

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product Name: Pentachlorophenol Treated Wood
Manufacturer Name: Bell Lumber and Pole Company
Address: 778 1st Street NW
New Brighton, MN 55112
USA
General Phone Number: 651-633-4334
Emergency Phone Number: Chemtrec: 800-424-9300
SDS Creation Date: August 08, 2013
SDS Revision Date: August 08, 2013



HMIS	
Health Hazard	1*
Fire Hazard	0
Reactivity	0
Personal Protection	X

* Chronic Health Effects

SECTION 2 : HAZARD(S) IDENTIFICATION

GHS Pictograms:



Signal Word: WARNING!

GHS Class: Skin Irritant, Category 2

Hazard Statements: Causes skin irritation

Precautionary Statements: Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

Emergency Overview: Sawing, sanding or machining products containing wood can produce wood dust, which can cause a flammable or explosive hazard. Dust causes eye, skin, respiratory and digestive system irritation.

Route of Exposure: Eye contact, Skin contact, Inhalation of dust, Ingestion of dust

Potential Health Effects:

Eye: Eye contact with dust can cause eye irritation.

Skin: Dust produced by cutting or drilling this product may cause itching and short term irritation. Prolonged or repeated contact with dust may cause an allergic skin reaction.

Inhalation: Dust produced by cutting or drilling of this product may cause irritation of the nose, throat, and respiratory tract. Overexposure to pentachlorophenol can cause upper respiratory irritation with sneezing and coughing.

Ingestion: Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances. Symptoms of the unlikely ingestion of pentachlorophenol treated wood include rapid heart rate and respiration, elevated temperature and blood pressure, muscular weakness, excessive sweating, dizziness, and/or nausea.

Chronic Health Effects: Prolonged exposures to wood dust may cause nasal cancer. Prolonged or excessive exposure to pentachlorophenol may cause liver and kidney toxicity and reproductive effects.

Carcinogenicity: This product contains a component which is listed by IARC, OSHA or NTP. See Section 11 for additional information.

Aggravation of Pre-Existing Conditions: Kidney or liver disease, bronchitis, asthma, rashes, acne, and some venereal diseases may be aggravated by exposure to dust and particulates.

Pentachlorophenol

Eye: Pentachlorophenol can cause irritation of the eyes @ 1 mg/m³. Prolonged exposure can cause reversible corneal damage.

Skin: Pentachlorophenol is readily absorbed through the skin, causing irritation.

Inhalation: Concentrations of 0.3 mg/m³ pentachlorophenol can cause nose irritation. Concentrations in excess of 1 mg/m³ can cause upper

respiratory irritation with sneezing and coughing.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Wood	No Data	> 84 by weight	
Fatty acid methyl esters	No Data	< 15 by weight	
Petroleum solvents	No Data	< 15 by weight	
Pentachlorophenol	87-86-5	< 1 by weight	200-001-8

SECTION 4 : FIRST AID MEASURES

Eye Contact:	If dust from cutting or drilling gets into eyes. Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	If dust from cutting or drilling gets onto the skin. Wash skin with soap and plenty of water. Get medical attention if irritation develops or persists..
Inhalation:	If dust from cutting or drilling is inhaled, remove the affected person to fresh air. If symptoms persist, get medical attention.
Ingestion:	Ingestion of this product is unlikely. If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Note to Physicians:	Provide general supportive measures and treat symptomatically.

SECTION 5 : FIRE FIGHTING MEASURES

Flammable Properties:	May form combustible dust concentrations in air during cutting or drilling of this product.
Flash Point:	None.
Flash Point Method:	None.
Auto Ignition Temperature:	Not applicable.
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	Use:, dry chemical, carbon dioxide (CO2), water spray, foam
Unsuitable Media:	Halon WILL NOT extinguish the fire.
Protective Equipment:	Wear self-contained breathing apparatus (SCBA) and full fire fighting protective gear.
Hazardous Combustion Byproducts:	Thermal decomposition products may include smoke and toxic fumes. Oxides of carbon, sulfur, hydrogen chloride, and other organic substances may be formed.
Universal Fire And Explosion Hazards:	Not available.
NFPA Ratings:	
NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	0

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Avoid breathing dust or particulates. Avoid dust and particulates contact with eyes and skin Use proper personal protective equipment as listed in section 8.
Methods for containment:	Dust form cutting or drilling of the product will settle out of the air. Prevent dust from spreading by covering, diking or other means. Wet settled or accumulated dust with water to reduce dust generation and risk of explosion.
Methods for cleanup:	Use an industrial vacuum cleaner with a high efficiency filter to clean up dust contamination. Pick up and transfer dust to properly labeled containers.

SECTION 7 : HANDLING and STORAGE

Handling:	Avoid dust formation when cutting or drilling the product. Do not breathe dust. Wear personal protective equipment.
Storage:	Store in a dry and well ventilated area away from sources of heat. Keep area clean and avoid dust accumulation.
Hygiene Practices:	Follow good industrial hygiene practices when handling this material.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits. Dust collection system must be used in transferring operations, cutting or machining or other dust generating processes, such as using power tools. Vacuum or wet clean-up methods should be used.
Eye/Face Protection:	Safety glasses with side-shields. Use a face shield during processes that may generate excessive dusts and splinters.
Skin Protection Description:	Use chemical resistant gloves under puncture resistant work gloves, such as leather. Consult glove manufacturer's information for permeability data.
Respiratory Protection:	When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators. A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended. Wear the appropriate respiratory protection according to the conditions and exposure levels in the area.
Other Protective:	Wash pentachlorophenol contaminated clothing frequently and separate from normal laundry. An eyewash station is recommended.

PPE Pictograms:



EXPOSURE GUIDELINES

Wood :

Guideline ACGIH: TLV-TWA: 1 mg/m³ Wood dusts - All species, excluding Western red cedar

Guideline OSHA: PEL-TWA: 5 mg/m³ Respirable fraction (R) PEL-TWA: 15 mg/m³ total dust as Particulates Not Otherwise Classified

Petroleum solvents :

Guideline ACGIH: TLV-TWA: 5 mg/m³ (Oil mist)

Guideline OSHA: PEL-TWA: 5 mg/m³ (Oil mist)

Pentachlorophenol:

Guideline ACGIH: TLV-TWA: 0.5 mg/m³
Skin: Yes

Guideline OSHA: PEL-TWA: 0.5 mg/m³
Skin: Yes

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Solid.
Color:	Tan/ dark brown
Odor:	Slight petroleum.
Boiling Point:	No Data
Melting Point:	No Data
Specific Gravity:	No Data
Solubility:	Insoluble in water.
Vapor Density:	No Data
Vapor Pressure:	No Data
Evaporation Rate:	No Data
pH:	No Data
Viscosity:	Not applicable.
Flash Point:	None.
Flash Point Method:	None.
Auto Ignition Temperature:	Not applicable.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	Hazardous polymerization does not occur.

Conditions to Avoid:	Keep away from heat, sparks and open flames..
Incompatible Materials:	Chlorinated hydrocarbons, chlorine and hydrogen chloride.
Special Decomposition Products:	hydrogen chloride

SECTION 11 : TOXICOLOGICAL INFORMATION

Wood dust :

Inhalation:	Inhalation - Rat TCl ₀ : 1683.5 mg/kg/13W (Intermittent) [Lungs, Thorax, or Respiration - Consolidation Lungs, Thorax, or Respiration - Fibrosis (interstitial)]
Chronic Effects:	Prolonged overexposure to wood dust has been associated with dryness of nose, eye irritation, nasal obstruction, prolonged colds, and frequent headaches. Depending on the species of wood, recurrent exposure may cause allergic skin and respiratory reactions in some individuals. Epidemiologic studies of the furniture industry have shown an increased incidence of nasal tumors related to wood dust exposure.

Carcinogenicity:	IARC: Group 1: Carcinogenic to humans.
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Pentachlorophenol :

Eye:	Administration into the eye - Rabbit Standard Draize test : 100 uL/24H [Mild] (RTECS)
Skin:	Administration onto the skin - Rat LD ₅₀ - Lethal dose, 50 percent kill : 96 mg/kg [Behavioral - Excitement Behavioral - Muscle contraction or spasticity Lungs, Thorax, or Respiration - Dyspnea] Administration onto the skin - Rabbit LDLo - Lowest published lethal dose : 40 mg/kg [Behavioral - Muscle weakness Vascular - BP elevation not characterized in autonomic section Kidney/Ureter/Bladder - Urine volume increased] Administration onto the skin - Rat LD ₅₀ - Lethal dose, 50 percent kill : 26 mg/kg [Cardiac - Other changes Liver - Other changes Kidney/Ureter/Bladder - Other changes] Administration onto the skin - Rabbit LDLo - Lowest published lethal dose : 40 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit Open irritation test : 10 mg/24H [Mild] (RTECS)
Inhalation:	Inhalation - Rat LC ₅₀ - Lethal concentration, 50 percent kill : 355 mg/m ³ [Behavioral - Excitement Behavioral - Muscle contraction or spasticity Lungs, Thorax, or Respiration - Dyspnea] Inhalation - Mouse LC ₅₀ - Lethal concentration, 50 percent kill : 225 mg/m ³ [Behavioral - Excitement Behavioral - Muscle contraction or spasticity Lungs, Thorax, or Respiration - Dyspnea] Inhalation - Mouse LC ₅₀ - Lethal concentration, 50 percent kill : 225 mg/m ³ [Cardiac - Other changes Liver - Other changes Kidney/Ureter/Bladder - Other changes] Inhalation - Rat LC ₅₀ - Lethal concentration, 50 percent kill : 335 mg/m ³ [Cardiac - Other changes Liver - Other changes Kidney/Ureter/Bladder - Other changes] Inhalation - Rat LC ₅₀ - Lethal concentration, 50 percent kill : 200 mg/m ³ [Details of toxic effects not reported other than lethal dose value] (RTECS)
Ingestion:	Oral - Mouse LD ₅₀ - Lethal dose, 50 percent kill : 36 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Mouse LD ₅₀ - Lethal dose, 50 percent kill : 117 mg/kg [Behavioral - Somnolence (general depressed activity)] Oral - Rat LD ₅₀ - Lethal dose, 50 percent kill : 27 mg/kg [Cardiac - Other changes Liver - Other changes Kidney/Ureter/Bladder - Other changes] Oral - Rabbit LD ₅₀ - Lethal dose, 50 percent kill : 200 mg/kg [Cardiac - Other changes Liver - Other changes Kidney/Ureter/Bladder - Other changes] Oral - Rat LD ₅₀ - Lethal dose, 50 percent kill : 50 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Rat LD ₅₀ - Lethal dose, 50 percent kill : 27 mg/kg [Vascular - BP elevation not characterized in autonomic section Endocrine - Hyperglycemia Nutritional and Gross Metabolic - Body temperature increase] (RTECS)
Chronic Effects:	Studies showed that pentachlorophenol can cause defects in the offspring of laboratory animals. Pentachlorophenol has been found to be embryo and fetotoxic to rats. Exposure to pentachlorophenol during pregnancy should be avoided.
Carcinogenicity:	IARC: Group 2B: Possibly carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Pentachlorophenol :

Ecotoxicity:	Very toxic to aquatic life with long lasting effects
Effect of Material On Aquatic Life:	96 Hr LC ₅₀ fathead minnow 0.0986 mg/l 96 Hr LC ₅₀ rainbow trout 0.052 mg/l 96HrLC ₅₀ bluegillsunfish 0.032 mg/l 96 Hr EC ₅₀ freshwater green algae 0.09 mg/l

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in accordance with Local, State, Federal and Provincial regulations.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as hazardous material for transportation.

Canadian Shipping Name: Not regulated as hazardous material for transportation.

SECTION 15 : REGULATORY INFORMATION

SARA: This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4). Pentachlorophenol

Section 311/312 Hazard Categories:

Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes
Risk of ignition:	Yes
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

Clean Air Act: This product does not contain any Hazardous Air Pollutants (HAPs).

Canada Reg. Status: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

Canada WHMIS: Controlled - Class: D2B Toxic

Pentachlorophenol:

TSCA Inventory Status: Listed

Section 313: EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.

California PROP 65: Listed: cancer
Pentachlorophenol contains trace amounts of Hexa, Hepta, and Octachlorodibenzo-p-dioxins, Hexa, Hepta, and Octachlorodibenzofurans, and Hexachlorobenzene.
The State of California has listed Hexachlorodibenzo-p-dioxin and Hexachlorobenzene as chemicals known to the State to cause cancer.

Canada DSL: Listed

Canada IDL: Identified under the Canadian Hazardous Products Act Ingredient Disclosure List: 0.1%. Item: 781(918)

EC Number: 200-001-8

WHMIS Pictograms:



SECTION 16 : ADDITIONAL INFORMATION

HMIS Health Hazard: 1*

HMIS Fire Hazard: 0

HMIS Reactivity: 0

HMIS Personal Protection: X

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