SAFETY DATA SHEET

Revision Date 07-Jan-2020
Version 5

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Pacific Woodtech Integral Fungicide / Insecticide Treated LVL with Topical Veneer Preservative (Includes Wood, Wood boards and wood dust consisting of finely divided wood particles generated from sawing, sanding, routing, or chipping wood products)

Product code WOOD_LVL_TREATED

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Wood and wood products
Restrictions on use None known

1.3 Details of the supplier of the safety data sheet

Supplier Address
Pacific Woodtech Corporation
1850 Park Lane, Burlington, WA 98233
(360)707-2200

1.4 Emergency telephone number

Emergency telephone number No information available

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

Carcinogenicity	Category 1A

2.2 Label elements

Signal Word
Danger

Hazard Statements
May cause cancer

Precautionary Statements - Prevention
Do not handle until all safety precautions have been read and understood
Wear eye and respiratory protection for excessive wood dust exposures. Do not breathe dust. In case of inadequate ventilation wear respiratory protection. Avoid dusty conditions whenever feasible.

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention

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

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

2.3. Other Hazards Hazards not otherwise classified (HNOC)
Combustible dust
Dust can form an explosive mixture in air
Laminated Veneer Lumber (LVL) may form combustible dust concentration in air during processing. Specifically, in instances where product dust is suspended in air in sufficient concentrations in proximity to an ignition source. Users of this product should examine the potential to generate wood and organic resin dust during handling and processing and related combustibility hazards and controls.

2.4 Other information

This wood product is protected with one or more wood preservatives that are registered with the Environmental Protection Agency (EPA). The amounts of the preservatives on the dry wood are far below OSHA reportable limits. The presence of the preservatives in the treated wood and wood dust is not expected to affect the wood's inherent toxicity characteristics.

Unknown Acute Toxicity 3.87991% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients

Substance
Not Applicable
Mixture

Chemical Name	CAS No.	Weight-%
Wood dust	RR-00514-PWT	80 - 90
Phenol-Formaldehyde Polymer Sodium Salt	40798-65-0	1 - 5

The exact percentage (concentration) of composition has been withheld as a trade secret.

These products may contain free formaldehyde (<0.1% wt%), which may be released depending on concentration and environmental conditions. These products contain no added urea-formaldehyde resins. Large scale emission chamber studies conducted by the APA Engineered Wood Association on panel materials using similar manufacturing processes and adhesives as used for laminated veneer lumber (LVL) have shown that the finished products should off-gas formaldehyde levels below 0.1 ppm.

4. First aid measures

4.1 Description of first-aid measures

General advice If symptoms persist, call a physician.

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician if irritation develops or persists.

Skin contact Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Immediate medical attention is not required. Call a physician if irritation develops or persists.

Inhalation Move to fresh air. Immediate medical attention is not required. Get medical attention if symptoms occur. Call a physician if irritation develops or persists.

Ingestion If swallowed, do not induce vomiting - seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms Acute Symptoms: Wood dust can cause eye irritation. Certain species of wood dust can elicit allergic contact dermatitis in sensitized individuals. Wood dust may cause respiratory irritation, nasal dryness, coughing, sneezing and wheezing as a result of inhalation. Formaldehyde may cause temporary irritation of skin, eyes or respiratory system. Chronic Symptoms: Wood dust, depending on the species, may cause allergic contact dermatitis and respiratory sensitization with prolonged, repetitive contact or exposure to elevated dust levels. Formaldehyde may cause sensitization in susceptible individuals.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically. No information available.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media
Water spray, fog or regular foam. Carbon dioxide (CO_2). Dry chemical.

Unsuitable Extinguishing Media High volume water jet.

5.2 Special hazards arising from the substance or mixture

Special Hazard
Depending upon the moisture content and more importantly, particle diameter and airborne concentration, wood and resin dust may explode in the presence of an ignition source. Wood dust may similarly deflagrate (combustion without detonation like an explosion) if ignited in an open or loosely contained area. An airborne concentration of 40 grams (40,000 mg) of dust per cubic meter of air is often used as the LEL for wood dusts. Reference NFPA Standards 654 and 664 for guidance. Ventilation systems should be kept clean and precautions should be taken to prevent sparks or other ignition sources. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products Thermal decomposition (i.e. smoldering, burning) can release carbon monoxide, oxides of nitrogen, carbon dioxide, aliphatic aldehydes including formaldehyde, resin acids, terpenes and polycyclic aromatic hydrocarbons. Natural decomposition of organic materials such as wood may produce toxic gases and oxygen deficient atmosphere is enclosed or poorly ventilated areas. Spontaneous and rapid hazardous decomposition will not occur.

Explosion Data
Sensitivity to Mechanical Impact No information available.
Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. May be ignited by friction, heat, sparks or flames.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). 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. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Nonsparking tools should be used. Ensure adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact.

6.2 Environmental precautions

Avoid run off to waterways and sewers.

6.3 Methods and materials for containment and cleaning up

Methods for Containment Prevent dust cloud. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Avoid dust formation. Shovel or sweep up. Take precautionary measures against static discharges. Use non-sparking tools and equipment.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Minimize dust generation and accumulation. Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Ensure adequate ventilation. No smoking.

Hygiene measures Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs. Keep working clothes separately.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from open flames, hot surfaces and sources of ignition. Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. Do not store near combustible materials.

Materials to Avoid No materials to be especially mentioned.

8. Exposure controls/personal protection

8.1 Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
Wood dust RR-00514-PWT	TWA: 10 mg/m³ inhalable particles, recommended TWA: 3 mg/m³ respirable particles, recommended	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ TWA: 3 mg/m³	TWA: 5 mg/m³ TWA: 10 mg/m³ TWA: 3 mg/m³	TWA: 5 mg/m³ TWA: 10 mg/m³	TWA: 5 mg/m³ TWA: 10 mg/m³ TWA: 3 mg/m³ STEL: 10 mg/m³

Legend
These products may contain free formaldehyde (<0.1% wt%), which may be released depending on concentration and environmental conditions. These products contain no added urea-formaldehyde resins. Large scale emission chamber studies conducted by the APA Engineered Wood Association on panel materials using similar manufacturing processes and adhesives as used for laminated veneer lumber (LVL) have shown that the finished products should off-gas formaldehyde levels below 0.1 ppm.

8.2 Appropriate engineering controls

Engineering Measures Provide appropriate exhaust ventilation at places where dust is formed. Use adequate ventilation to maintain airborne concentrations at levels below permissible or recommended occupational exposure limits. Ensure that exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or suppression systems designed and operated in accordance with applicable standards if the operating conditions justify their use. Cutting and machining of product should preferably be done outdoors or with adequate ventilation and containment.

8.3 Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses with side-shields.
Skin and body protection	Wear impervious gloves and/or clothing if needed to prevent contact with the material. Remove and wash contaminated clothing before re-use.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
Hygiene measures	See section 7 for more information

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid		
Appearance	No information available	**Color**	Natural wood
Odor	Slightly aromatic resinous	**Odor Threshold**	No information available

Property	Values	Remarks • Methods
pH		No information available
Melting/freezing point		No information available
Boiling point/boiling range		No information available
Flash Point	Not Applicable	Not Applicable
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
		Vapor pressure
No information available		**Vapor density**
No information available		**Specific Gravity**
No information available		**Water solubility**
No information available		**Solubility in other solvents**
No information available		**Partition coefficient**
No information available		**Autoignition temperature**
No information available		**Decomposition temperature**
No information available		**Viscosity, kinematic**
No information available		**Viscosity, dynamic**
No information available		
		Explosive properties
No information available		**Oxidizing Properties**
No information available		

9.2 Other information

Volatile organic compounds (VOC) content	No information available

10. Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

Dust formation. Avoid dust clouds or layers. Heat, flames and sparks.

10.5 Incompatible Materials

No materials to be especially mentioned.

10.6 Hazardous Decomposition Products

Thermal decomposition (i.e. smoldering, burning) can release carbon monoxide, oxides of nitrogen, carbon dioxide, aliphatic aldehydes including formaldehyde, resin acids, terpenes and polycyclic aromatic hydrocarbons. Natural decomposition of organic materials such as wood may produce toxic gases and oxygen deficient atmosphere is enclosed or poorly ventilated areas. Spontaneous and rapid hazardous decomposition will not occur.

11. Toxicological information

11.1 Acute toxicity

Numerical measures of toxicity: Product Information

Unknown Acute Toxicity 3.87991% of the mixture consists of ingredient(s) of unknown toxicity

Numerical measures of toxicity: Component Information

11.2 Information on toxicological effects

Skin corrosion/irritation
Product Information
• No information available
Component Information
• No information available

Serious eye damage/eye irritation
Product Information
• No information available
Component Information
• No information available

Respiratory or skin sensitization
Product Information
• No information available
Component Information
• No information available

Germ cell mutagenicity
Product Information
• No information available

Component Information
• No information available

Carcinogenicity
Product Information
• The table below indicates whether each agency has listed any ingredient as a carcinogen
• Strong and consistent associations with cancers of the paranasal sinuses and nasal cavity have been observed both in studies of people whose occupations were associated with wood-dust exposure and in studies that directly estimated wood-dust exposure.
Component Information
• Contains a known or suspected carcinogen
• These products may contain free formaldehyde (<0.1% wt%), which may be released depending on concentration and environmental conditions. These products contain no added urea-formaldehyde resins. Large scale emission chamber studies conducted by the APA Engineered Wood Association on panel materials using similar manufacturing processes and adhesives as used for laminated veneer lumber (LVL) have shown that the finished products should off-gas formaldehyde levels below 0.1 ppm.

Chemical Name	ACGIH	IARC	NTP	OSHA
Wood dust RR-00514-PWT	-	Group 1	Known	

Reproductive toxicity
Product Information
• No information available
Component Information
• No information available

STOT - single exposure
No information available

STOT - repeated exposure
No information available

Other adverse effects
Product Information
• No information available
Component Information
• No information available

Aspiration hazard
Product Information
• No information available
Component Information
• No information available

12. Ecological information

12.1 Toxicity

Ecotoxicity No information available

91.507532461 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Discharge into the environment must be avoided

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

No information available

13. Disposal Considerations

13.1 Waste treatment methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

DOT	Not regulated
MEX	Not regulated
IMDG	Not regulated
IATA	Not regulated

15. Regulatory information

15.1 International Inventories

TSCA	Complies
DSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-
NZIoC	-

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

15.3 Pesticide Information

Not applicable

15.4 U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals: This product contains formaldehyde, which depending on temperature and humidity, may be emitted from the product. Pacific Woodtech has evaluated formaldehyde emission rates from its products and have found these rates to be below the significant risk level. The user should determine whether formaldehyde emissions resulting from its site-specific use, handling, ventilation design, capacity and final construction design for this product could exceed the safe harbor level.

Chemical Name	California Prop. 65
Wood dust - RR-00514-PWT	Carcinogen
Formaldehyde - 50-00-0	Carcinogen
CUMENE - 98-82-8	Carcinogen

16. Other information

NFPA	**Health Hazard** 1	**Flammability** 1	**Instability** 0	**Physical and chemical hazards** -
HMIS	**Health Hazard** 2*	**Flammability** 1	**Physical Hazard** 0	**Personal protection** X

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)
Ceiling (C)
DOT (Department of Transportation)
EPA (Environmental Protection Agency)
IARC (International Agency for Research on Cancer)
International Air Transport Association (IATA)
International Maritime Dangerous Goods (IMDG)
NIOSH (National Institute for Occupational Safety and Health)
NTP (National Toxicology Program)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
Reportable Quantity (RQ)
Skin designation (S*)
STEL (Short Term Exposure Limit)
TLV® (Threshold Limit Value)
TWA (time-weighted average)

Revision Date 07-Jan-2020

Revision Note

No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet