



# Material Safety Data Sheet

**Warning:** Drilling, sawing, sanding or machining wood products generates wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or safeguards for personal protection.  
**California Health and Safety Code Section 25249.6**

## Wood Dust (untreated)

I. Company Information	
Pacific Woodtech Corporation 1850 Park Lane Burlington, WA 98233	Emergency Phone Number: (360) 707-2200 Additional Information: (360) 707-2200 <a href="http://www.pacificwoodtech.com">www.pacificwoodtech.com</a> Revision Date: 12/14/10

II. Hazardous Ingredients/Identity Information				
Hazardous Components	OSHA PEL	ACGIH TLV	NIOSH REL	Percent
Formaldehyde	2.0 ppm STEL, 0.75 ppm TWA	0.3 ppm STEL	0.1 ppm (15 min), 0.016 ppm TWA	<0.1% by weight
Polymeric Diphenylmethane Diisocyanate (MDI)	0.2 mg/m <sup>3</sup> STEL, 0.05 mg/m <sup>3</sup> TWA	0.05 mg/m <sup>3</sup> TWA	0.2 mg/m <sup>3</sup> (10 min)	1.5 - 4% by weight
Dibutyl Phthalate (DBP)	5.0 mg/m <sup>3</sup> TWA	5.0 mg/m <sup>3</sup> TWA	5.0 mg/m <sup>3</sup> TWA	<0.01% by weight
Wood Dust	15 mg/m <sup>3</sup> as total dust	5 mg/m <sup>3</sup> , 10 mg/m <sup>3</sup> STEL	1 mg/m <sup>3</sup> as total dust	85 - 98% by weight

III. Physical/Chemical Characteristics			
Boiling Point	N/A	Specific Gravity	Varies ~0.60
Vapor Pressure	N/A	Melting Point	N/A
Vapor Density	N/A	Evaporation Rate	N/A
Solubility in Water	Insoluble		
Appearance and Odor	Light to dark tan. Appearance and odor varies depending on species.		

IV. Fire and Explosion Hazard Data					
Flash Point	N/A	Flammable Limits			
Autoignition Temp	Varies, 400°-500° F	LEL	40 g / m <sup>3</sup> suspended in air	UEL	N/A
Extinguishing Media	Water, Carbon Dioxide, Sand				
Special Fire Fighting Procedures	Use water to wet down wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned or wet dust to open areas after fire is extinguished.				
Unusual Fire and Explosion Hazards	Wood dust is a strong to severe explosive hazard if a dust cloud contacts an ignition source.				

V. Reactivity Data				
Stability	Stable	X	Conditions to Avoid	Open flame and sparks.
	Unstable			
Incompatibility (Materials to Avoid)			Oxidizing agents and drying oils	
Hazardous Decomposition or By Products			Irritating and toxic fumes and gases, including carbon monoxide, aldehydes and organic acids	
Hazardous Polymerization	Will Occur		Conditions to Avoid	N/A
	Will Not Occur	X		

VI. Health Hazard Data				
Routes of Entry	Inhalation	Skin	Ingestion	Eyes
	Yes	Yes	Not Likely	Yes
Signs and Symptoms of Exposure	Persistent irritation, severe coughing, and breathing	Rash, persistent irritation and dermatitis.	N/A	Irritation
Emergency & First Aid	Remove to fresh air. If persistent irritation, severe coughing, or breathing difficulties occur, get medical advice before returning to work where wood dust is present.	If a rash or persistent irritation or dermatitis occur, get medical advice where applicable before returning to work, where wood dust is present.	N/A	Flush with water to remove dust particles. If irritation persists, get medical attention.
Medical Conditions Generally Aggravated by Exposure	Wood dust may aggravate pre-existing respiratory conditions. Wood dust, formaldehyde, MDI, DBP or imidacloprid may aggravate pre-existing allergies.			
Carcinogenicity Listing	NTP	IARC	OSHA	
	Yes	Yes	Yes	
Further Carcinogenicity Information for Formaldehyde	NTP 11th Report on Carcinogens lists formaldehyde as "reasonably anticipated to be a human carcinogen". It states that "excess incidences of nasopharyngeal cancers in humans were observed in two to six cohort studies, three of four case-control studies, and in meta-analyses". The IARC gives a Group 1 (carcinogenic to humans) classification to formaldehyde. It states "findings from studies provided sufficient epidemiological evidence that formaldehyde causes nasopharyngeal cancer in humans".			
Further Carcinogenicity Information for MDI	MDI is not listed as a carcinogen by NTP, IARC or OSHA.			
Further Carcinogenicity Information DBP	DBP is not listed as a carcinogen by NTP, IARC or OSHA. DBP is given a Group D (not classifiable as to human carcinogenicity) by U.S. EPA-OPP.			

<b>Further Carcinogenicity Information for Wood Dust</b>	NTP 11th Report on Carcinogens lists wood dust as "known to be a human carcinogen". It states that "an association between wood dust exposure and cancer of the nasal cavity has been observed in many case reports, cohort studies, and case-control studies that specifically addressed nasal cancer". The IARC gives a Group 1 (carcinogenic to humans) classification to wood dust. The IARC report focuses primarily on the risk of nasal cancer from exposure to wood dust.
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**VII. Precautions for Safe Handling and Use**

<b>Steps to be Taken in Case Material is Released or Spilled</b>	Vacuum or sweep and shovel spilled wood dust back into containers. Avoid creating air borne conditions. Suppressing dust with water may be necessary.
<b>Waste Disposal Method</b>	Reuse and Recycle. Incineration in accordance with local, state and federal regulations. Landfill in accordance with local, state and federal regulations.
<b>Precautions to be Taken in Handling and Storing</b>	Store in covered enclosed area. Wood dust is considered a particulate matter air emission pollutant when air borne. Keep away from ignition sources.
<b>Other Precautions</b>	N/A

**VIII. Control Measures**

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Mechanical</b>	<b>Special</b>	<b>Other</b>
	Yes	No	Spark suppression	No
<b>Respiratory Protection</b>	May be required depending on level of dust conditions.			
<b>Protective Gloves</b>	Required.			
<b>Eye Protection</b>	Required.			
<b>Other PPE</b>	Arm guards or long sleeves.			
<b>Work/Hygienic Practices</b>	Wood products should not be handled in direct contact with skin.			

**Additional Information**

*This Material Safety Data Sheet is offered solely for your information. While the information and recommendations are believed to be correct and based on sources believed to be technically accurate, Pacific Woodtech assumes no responsibility for the accuracy or completeness of the data contained herein.*