

Material Safety Data Sheet for Wood Dust

1. IDENTIFICATION

<p>Product Name: Wood Dust (of Sawn Timber, Veneer, Logs)</p> <p>Synonyms: Finely divided wood particles, powdered wood, sawdust, wood flour, hardwood dust, wood shavings, softwood dust, wood dust</p>	<p>Product Description: Particles generated by any manual or mechanical cutting or abrasion process performed on hard and softwood. Danzer Group manufactures mainly hardwood.</p>
<p>CAS Number/EINECS No.: None, RTECS No: ZC9850000</p>	<p>Chemical Name or Family: not applicable (n.a.)</p>
<p>Manufacturer: Danzer Group Companies: David R. Webb, Interforest, Bradford Forest, Danzer Europe Veneer, Danzer Bohemia, Danzer UK, Interholco, Danzer Salzburg, Danzer Furnierwerke, Fanérimporten, Sydfané, IFO, SIFORCO, Danzer Forestland, Danzer SINO, Coplac, Vinterio.</p>	<p>Address World: Danzer AG Environmental Coordination, Schutzengelstr. 36, CH-6342 Baar, Switzerland</p> <p>Address USA: David R. Webb Company, Inc.; Safety Coordination; 206 S. Holland St. • Edinburgh, IN 46124</p>
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2. COMPOSITION / INFORMATION ON INGREDIENTS

<p>Ingredients: Wood Dust 100% (all different types of species) For US: No toxic chemicals subject to reporting requirements of Section 313 of Title III and of 40 CFR 372 are present.</p>
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3. HEALTH HAZARD DATA

<p>Eye Contact: Wood dust can cause eye irritation. Not be expected acutely toxic.</p>	
<p>Skin Contact: Repeated or prolonged skin contact may cause allergic contact dermatitis in sensitized individuals.</p>	
<p>Ingestion (Swallowing): May cause irritation of digestive tract. Not be expected acutely toxic.</p>	
<p>Inhalation (breathing): Repeated or prolonged inhalation may cause nasal dryness, irritation, bleeding and obstruction. Coughing, wheezing and sneezing; sinusitis and prolonged colds have also been reported. Please see the following Exposure Limits:</p>	
<p>Carcinogenicity by prolonged inhalation exposure: a) IARC (International Agency for Research on Cancer) b) National Toxicology Program (NTP)</p>	<p>a) IARC classifies wood dust as a carcinogen to humans (Group I) due to the increased risk in the occurrence of nasal ardeno carcinoma by prolonged exposure. b) The NTP classified wood dust as a known human carcinogen in the <i>Report on Carcinogens</i> 10th edition, published December 17, 2002.</p>

4. EMERGENCY AND FIRST AID PROCEDURE

<p>Eyes: Flush immediately with water to remove dust particles. If irritation persists, seek medical attention.</p>
<p>Skin: Wipe off or wash skin. If a rash or persistent irritation or dermatitis occur, seek medical attention.</p>
<p>Inhalation: Remove to fresh air. If persistent irritation, severe coughing, or breathing difficulties occur, seek medical attention.</p>
<p>Ingestion: Drink sufficient amount of water. If irritation occurs, seek medical attention.</p>

5. FIRE-FIGHTING MEASURES

Flashpoint: not applicable (N/A)	Explosive Limits in Air (LEL): 40 g/m ³
Auto-Ignition Temperature: >400°F/ >200°C	Extinguishing Media: Water, CO ₂ , Sand
Fire Fighting Instructions: Use water to wet down dust to reduce the likelihood of ignition or dispersion of dust into the air. In case of fire, avoid breathing smoke and vapor. Remove burned, charred or wet dust to open area after fire is extinguished.	
Unusual Fire/Explosion Hazard: Wood dust is a strong to severe explosion hazard if a dust “cloud” contacts an ignition source.	

6. ACCIDENTAL RELEASE MEASURES

Release to air: If a wood dust “cloud” is released inhibit or disable any ignition source in order to avoid explosions. Ventilate the dusty area and soak up settled dust with water. Wear appropriate respirator/ dust mask, goggles and clothing.
Spills or leaks: Contain material avoiding dust “clouds” (see above). Wear appropriate personal protective equipment.

7. HANDLING AND STORAGE

Handling: (1) Avoid open flame and contact with oxidizing agents/ drying oils. (2) Avoid repeated or prolonged (a) breathing of wood dust and (b) contact with skin. (3) Avoid eye contact. (4) Wear appropriate personal protective equipment (see below).
Storage: Store wood dust in closed and explosion safe containers. Provide appropriate fire prevention and response.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits ACGIH (American Conference of Governmental Industrial Hygienists)	TLV (Threshold Limits Value)-TWA (Time Weighted Average 8 hours): respirable dust: 1 mg/m ³ ; total dust for certain hardwoods (Beech & Oak): 5 mg/m ³ for soft woods
	TLV-STEL (Short Term Exposure Limit, 15 minutes): 10.0 mg/m ³ Softwood
Exposure Limits NIOSH (National Institute for Occupational Safety and Health)	REL (Recommended Exposure Limit)-TWA (Time Weighted Average 10 hours/day or 40hr/work week): 1 mg/m ³ for wood dust, all soft and hardwoods, except western red cedar.
Exposure Limits OSHA (Occupational Health & Safety Agency)	PEL (Permissible Exposure Limit)-TWA (Time Weighted Average 8 hours): total dust: 15 mg/m ³ ; respirable dust 5 mg/m ³ all soft and hardwoods, except western red cedar. <i>Note: States operating under an approved OSHA plan may have adopted their own PELs. Employers are advised to consult their state plan for applicable PELs.</i>
Exposure Controls	Provide appropriate dust collection at source and adequate general and local exhaust ventilation to maintain exposure levels below the limits. Follow good housekeeping practices. Clean up areas where wood dust settles and minimize blow downs.
Personal Protective Equipment to be worn when the allowable exposure limits may be exceeded	a) Respiratory Protection: NIOSH/MSHA approved respirators and/or dust masks. b) Eye Protection: Wear goggles, safety glasses, or face shield c) Skin Protection: Sufficient clothing to cover skin and gloves if necessary.

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: not applicable (N/A)	Melting Point: N/A	Flash Point: N/A
pH: N/A	Vapor Pressure: N/A	Vapor Density: N/A
%Volatiles by Vol.: N/A	Solubility in Water: N/A	Evaporation Rate: N/A
Specific Gravity: Varies by wood species and moisture content.	Appearance and Odor: This type of wood dust consists of the dust from all hard and soft woods with the exception of western red cedar. It is pulverized wood wastes, or the dusts from cutting, shaping, drilling, sanding or the general handling of wood.	

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.	Hazardous Polymerization: Will not occur
Conditions and materials to avoid: Avoid contact with oxidizing agents and drying oils. Avoid open flame. Product may ignite at temperatures in excess of 400° F/ 200°C.	Hazardous Decomposition Products: Thermal oxidative degradation of wood produces irritating and toxic fumes and gases, including carbon monoxide, aliphatic aldehydes, terpenes, polycyclic aromatic hydrocarbons and organic acids.

11. TOXICOLOGICAL INFORMATION : CARCINOGENICITY → SEE CHAPTER 3

12. ECOLOGICAL INFORMATION

Ecotoxicity: see health hazards	Mobility: Locally, dust settles quickly.	Degradability: 100% bio-degradable
Bioaccumulative potential: very low	Persistence: very low	Other effects: not available

13. DISPOSAL CONSIDERATIONS

Dispose or recycle wood dust in accordance with all federal, state and local regulations.	
Recycling: Use the energy value by controlled incineration.	Disposal: Controlled incineration is recommended.

14. TRANSPORT INFORMATION

DOT shipping name: not regulated	Hazard Class: not regulated	UN Number: not applicable
Packing group: not applicable	Marine pollutant: not applicable	DOT Hazardous substance: not regulated

15. REGULATORY INFORMATION

OSHA (US): see chapter3 to 8	TSCA (US): not applicable.	CERCLA/ SARA III (US): not applicable
Label (EU): Directives 67/548, 99/45	EU Directive 76/769: not applicable	

16. OTHER INFORMATION / Disclaimer Statement:

The information and data contained herein are believed to be accurate and have been compiled from sources believed to be reliable. This information and data are offered for your consideration, investigation, and verification. No representation or guarantee is made as to its accuracy, reliability, or completeness. It may or may not be valid for such material used in combination with any other materials or in any process. No liability for claims relating to any party's use or reliance on the information contained herein is assumed by the issuing party.