



**DIMENSION LUMBER, LUMBER, STUDS  
MATERIAL SAFETY DATA SHEET**

**SECTION I - PRODUCT IDENTIFICATION**

**PRODUCT NAME:** Dimension Lumber, Shop-Dried Lumber, Rough Dried Lumber, Core Studs, Premium "Purple" Log Studs, Prime-77 Lumber, Finger-Jointed Studs, Finger-Jointed Lumber, Lumber, Studs

**SYNONYMS:** Boards, Planks, Wood

**CHEMICAL FAMILY:** N/A

**CHEMICAL FORMULA:** N/A

**CAS NUMBER:** N/A

**MANUFACTURER'S ADDRESS:**

Temple-Inland Forest Products Corporation

P.O. Drawer N

Diboll, Texas 75941

Contact: Don Cox, Manager Chemical Control and Health Programs

**EMERGENCY PHONE NUMBERS:** (936)829-5511

**DATE PREPARED OR REVISED:** March 2002

**SECTION II - HAZARDOUS INGREDIENTS**

COMPONENT	CAS #	EXPOSURE LIMIT (OSHA)*	EXPOSURE LIMIT (ACGIH)
Wood Dust	None	5mg/m; - PEL 10 mg/m; - STEL	5mg/m; - TLV 10mg/m; - STEL

In AFL-CIO v. OSHA 965 F. 2d 962 (11th Cir. 1992), the court overturned OSHA's 1989 Air Contaminants Rule, including the specific PELs for wood dust that OSHA had established at that time. The 1989 PELs were: TWA-5.0 mg/m<sup>3</sup>; STEL (15 min.) - 10.0 mg/m<sup>3</sup> (all soft and hard woods, except Western red cedar); Western red cedar: TWA - 2.5 mg/m<sup>3</sup>.

Wood dust is now officially regulated as an organic dust under the Particulates Not Otherwise Regulated (PNOR) or Inert or Nuisance Dust categories at PELs noted under Section II of this MSDS. However, a number of states have incorporated provisions of the 1989 standard in their state plans. Additionally, OSHA has announced that it may cite companies under the OSH Act General Duty Clause under appropriate circumstances for non-compliance with the 1989 PELs.

**\*NOTE:** Although Agency and court decision(s) could affect these values, the Company will continue to utilize these values as the MSDS PEL.

**SECTION III - PHYSICAL PROPERTIES**

**DESCRIPTION**

Lumber (boards) manufactured from softwood logs into varying length, width and thickness, usually planed smooth, with a light tan to near white color with "grain" showing from all sides. Manual or mechanical cutting or abrasion processes performed on the product could generate wood particles and/or dust.

**PHYSICAL DATA**

**Boiling Point** - Not Applicable  
**Specific Gravity** - Variable (Dependent on wood species and moisture content)  
**Vapor Density** - Not Applicable  
**% Volatiles by Volume** - Not Applicable  
**Melting Point** - Not Applicable  
**Vapor Pressure** - Not Applicable  
**Solubility in H<sub>2</sub>O (% by Wt.)** - Insoluble  
**Evaporation Rate (Butyl Acetate=1)** - Not Applicable  
**pH** - Not Applicable  
**Appearance and Odor** - Light to dark colored boards with a softwood odor dependent on time since manufactured.

**SECTION IV - FIRE AND EXPLOSION DATA**

**Flash Point** - Not Applicable  
**Auto Ignition Temperature** - 400 - 500E F  
**Flammable Limits in Air** - Not Applicable  
**Extinguishing Media** - Water spray, Carbon Dioxide, Foam  
**Special Fire Fighting Procedures** - Fire fighting procedures for wood products are well known.  
**Unusual Fire and Explosion Hazard** - Lumber does not present a fire and explosion hazard. Sawing or sanding this product could result in the creation of wood dust. Wood dust may present a strong to severe explosion and fire hazard if a dust cloud contacts an ignition source. According to data contained in NFPA's Standards, 0.04 ounce per cubic foot is the minimum explosive concentration for wood flour and 40 grams/m; LEL for wood dust.

**SECTION V - HEALTH HAZARD DATA**

Lumber: This product is manufactured using naturally occurring materials. Product normally does not present hazards beyond those which would normally be experienced by solid wood material.  
**Wood Dust/Fiber:** May cause nasal dryness, irritation and obstruction. Coughing, wheezing, and sneezing sinusitis and prolonged colds have also been reported. Depending on species, may cause respiratory sensitization and/or irritation. IARC classifies wood dust as a carcinogen to humans (Group 1). This classification is based primarily on IARC's evaluation of increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. IARC did not find sufficient evidence to associate cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon or rectum with exposure to wood dust.  
**Skin and Eye Contact** - Flush with water for 15 minutes  
**Inhalation** - Remove to fresh air  
**Acute and Chronic Effects** - Dust may be a mechanical irritant to eyes. Excessive concentration may cause deposit in nasal passages resulting in rhinorrhea, dry cough, wheezing, sinusitis. Should irritation occur and persist consult a physician.

**SECTION VI - REACTIVITY DATA**

**Stability** - Stable  
**Incompatibility (materials to avoid)** - Strong oxidizing agents, strong acids.  
**Hazardous Decomposition Products** - Thermal and/or thermal-oxidative decomposition can produce irritating and/or toxic fumes and gases, including CO, aldehydes and organic acids.  
**Conditions Contributing to Hazardous Polymerization** - Will Not occur

**SECTION VII - SPECIAL PRECAUTION PROCEDURES**

**PRECAUTIONS AND SAFE HANDLING:** Provide adequate ventilation to reduce the possible build-up of wood dust in areas where sawing or machining steps are being performed.  
**STEPS TO BE TAKEN IF SPILLED OR RELEASED:** Not Applicable  
**WASTE DISPOSAL METHOD:** Handle in accordance with local, state, and federal regulations.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**



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### RESPIRATORY PROTECTION

Not required for normal use of the product in normally shipped form. However, the wearing of NIOSH approved breathing protection, for exposure to wood dust generated from sawing, etc. may be necessary. Respirators are required if air contaminants exceed OSHA PEL.

### VENTILATION

Local Exhaust: Necessary to remove dust in sanding, sawing and machine processes.

Mechanical: Ventilate to assure that wood dust levels are below OSHA PEL.

### EYE PROTECTION

Wear appropriate eye protection and/or side shield safety glasses when handling product and/or sawing or machining processes.

### **SECTION IX - REGULATORY INFORMATION**

**California Prop 65** : Safe Drinking Water Toxic Enforcement Act (and other similar regulations). California Prop 65 provides for the labeling and disclosure of the presence of chemical(s) known to the STATE of CALIFORNIA to cause cancer or reproductive toxicity. This product does not contain any chemicals which are on the list and/or present any significant risk. Should the status change in the future, an updated MSDS will be provided.

**SARA 313**: This product does not contain chemical(s) in concentrations which should require reporting under SARA Section 313.

**ODS**: During the manufacture of this product there is no intended use of listed ozone depleting chemicals as defined in applicable EPA regulations.

**IMPORTANT**: Temple-Inland Forest Products Corporation believes the information contained in this Data Sheet to be accurate at the time of preparation and has been compiled using sources believed to be reliable. However, the Company (Temple-Inland Forest Products Corporation) makes no warranty, either expressed or implied concerning the accuracy or completeness of the information presented. It is the responsibility of the user to comply with local, state, or federal regulations concerning use of this product. It is the further responsibility of the buyer to research and understand safe methods