

MSDS: 173

**MATERIAL SAFETY DATA SHEET**

**SECTION I GENERAL INFORMATION**

**Trade Name:** LAMINATED BEAM PRODUCTS (HI-CLEAR II™ TREATED WOOD)  
**Common Name:** GLULAM BEAMS

**Manufacturer's Name:** ROSBORO  
ADDRESS: P 0 BOX 20  
SPRINGFIELD OR 97477

**Emergency Telephone No.:** (541) 746-8411 **Information Telephone No.:** (541) 746-8411  
**Prepared by:** SAFETY DEPARTMENT

**Chemical Name:** N/A  
**Generic Name:** N/A  
**Synonyms:** N/A

**DESCRIPTION:** BONDED LAYERS OF WOOD LAMINATIONS TREATED WITH ABOVE GROUND INSECT AND MOLD PRESERVATIVE

**SECTION II - HAZARDOUS INGREDIENTS / IDENTIFY INFORMATION**

<u>Chemical Name</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>	<u>CAS Number</u>	<u>Percent</u>
WOOD/WOOD DUST	15 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	NONE	>99
PHENOL-FORMALDEHYDE OR PHENOL- RESORCINOL- FORMALDEHYDE RESIN	0.75 ppm	0.3 ppm	NONE	1-9
PARAFFIN WAX	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	8002-74-2	0-2
3-iodo-2-PROPYNYL BUTYL CARBAMATE	N/A	N/A	55406-53-6	0.035 pcf
PERMETHRIN	N/A	N/A	52645-53-1	0.006 pcf
GLYCOL ETHER	N/A	N/A	PROPRIETARY	0.07 pcf
MINERAL SPIRITS	100 ppm	100 ppm	8052-41-3	SEE NOTE*

\*RESIDUAL HYDROCARBON SOLVENT MAY RESULT IN DETECTABLE ODORS. THE ODOR LEVEL IS INFLUENCED BY THE AMOUNT OF SOLVENT REMAINING IN THE WOOD, THE TYPE OF SOLVENT REMAINING IN THE WOOD AND THE TYPE OF SOLVENT USED AS A PRESERVATIVE CARRIER

NOTE: If PEL or TLV is followed by the letter M, value is Mg/Cubic Meter  
THIS PRODUCT IS CONSIDERED HAZARDOUS UNDER THE CRITERIA SPECIFIED IN  
29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD) AND THE CANADIAN WORKPLACE  
HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

MSDS: 173

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point (F): N/A  
Pure or Mixture: MIXTURE  
Vapor Pressure: N/A  
Melting Point (F): N/A  
Evaporation Rate (Butyl Acetate = 1): N/A  
pH: N/A  
Vapor Density (Air=1): N/A  
Ignition Temperature (F): N/A  
Solubility in Water: NONE  
Specific Gravity: .40-.80  
Physical State: SOLID  
Appearance and Odor: SLIGHT RESINOUS AND WOOD ODOR

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (F): N/A  
Method: N/A  
Flammability Classification: NFPA RATING 1  
Flammable Limits in Air: N/A  
Extinguishing Media: WATER, CARBON DIOXIDE, SAND  
Special Fire Fighting Procedures: N/A  
Unusual Fire & Explosion Hazards: DEPENDING ON MOISTURE CONTENT AND MORE IMPORTANTLY, PARTICLE DIAMETER, WOOD DUST MAY EXPLODE IN THE PRESENCE OF AN IGNITION SOURCE. AN AIRBORNE CONCENTRATION OF 40 GRAMS OF DUST PER CUBIC METER OF AIR IS OFTEN USED AS THE LOWER EXPOSURE LIMIT FOR WOOD DUSTS.

**SECTION V - REACTIVITY DATA**

Stability: NORMALLY STABLE  
Incompatibilities: AVOID CONTACT WITH OXIDIZING AGENTS  
Conditions To Avoid: AVOID OPEN FLAME. PRODUCT MAY IGNITE AT TEMPERATURES IN EXCESS OF 400 deg F (204 deg C)  
Hazardous Decomposition Products: N/A  
Hazardous Polymerization: WILL NOT OCCUR  
Other Reactivity Data: N/A

MSDS: 173

## SECTION VI - HEALTH HAZARD DATA

**ROUTES OF ENTRY:** INGESTION, SKIN, INHALATION

### HEALTH HAZARDS

**Primary:** TREATED WOOD DUST - CONTACT WITH EYES MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION. PROLONGED OR REPEATED CONTACT WITH SKIN CAN CAUSE SEVERE IRRITATION OR DERMATITIS. EATING TREATED SAWDUST MAY CAUSE MOUTH, THROAT AND STOMACH IRRITATION. IF INHALED, TREATED WOOD DUST CAN CAUSE IRRITATION TO NOSE AND THROAT. CAN CAUSE CHEST PAINS AND CHEMICAL PNEUMONITIS

**Carcinogenicity:** NTP - WOOD DUST, KNOWN TO BE A HUMAN CARCINOGEN. FORMALDEHYDE GAS, REASONABLY ANTICIPATED TO BE A HUMAN CARCINOGEN. IARC MONOGRAPHS - WOOD DUST, GROUP 1 - CARCINOGENIC TO HUMANS. FORMALDEHYDE, GROUP 1 - CARCINOGENIC TO HUMANS. OSHA REGULATED - FORMALDEHYDE GAS, POTENTIAL CARCINOGEN FOR EXPOSURES EXCEEDING 0.5 ppm.

## SIGNS & SYMPTOMS OF EXPOSURE / EMERGENCY & FIRST-AID PROCEDURES

**Eye Contact:** TREAT DUST IN EYE AS FOREIGN OBJECT. FLUSH WITH WATER TO REMOVE DUST PARTICLES. SEEK MEDICAL HELP IF IRRITATION PERSISTS.

**Skin Contact:** SEEK MEDICAL HELP IF IRRITATION, RASH OR DERMATITIS PERSISTS.

**Inhaled:** REMOVE TO FRESH AIR. SEEK MEDICAL HELP IF PERSISTENT IRRITATION, SEVERE COUGHING OR BREATHING DIFFICULTIES OCCUR.

**INGESTION:** IF TREATED WOOD IS SWALLOWED, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. IF PROFESSIONAL ADVICE IS NOT AVAILABLE, DO NOT INDUCE VOMITING. ASPIRATION OF MATERIAL IN THE LUNGS DO TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL. NEVER INDUCE VOMITING OR GIVE MILK OR WATER TO SOMEONE WHO IS UNCONSCIOUS, HAVING CONVULSIONS, OR WHO CANNOT SWALLOW. GET MEDICAL ATTENTION.

**Medical Conditions Aggravated By Exposure:** WOOD DUST MAY AGGRAVATE PRE-EXISTING RESPIRATORY CONDITIONS OR ALLERGIES.

NOTE TO PHYSICIANS: PERMETHRIN HAS LOW ORAL, DERMAL AND INHALATION TOXICITY, AND IS MODERATELY IRRITATING TO THE SKIN AND EYES. REVERSIBLE SKIN SENSATIONS (PARASTHESIA) MAY OCCUR AND ORDINARY SKIN SALVES HAVE BEEN FOUND TO REDUCE DISCOMFORT. CONTAINS AROMATIC HYDROCARBONS

MSDS: 173

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**Action If Released or Spilled:** WOOD DUST MAY BE VACUUMED OR SHOVELED FOR RECOVERY AND DISPOSAL. AVOID DUSTY CONDITIONS AND PROVIDE GOOD VENTILATION. USE NIOSH/MSHA APPROVED RESPIRATOR AND GOGGLES WHERE VENTILATION IS NOT POSSIBLE.

**Waste Disposal Method:** IF DISPOSED OR DISCARDED IN ITS PURCHASED FORM, INCINERATION IS PREFERABLE. DRY LAND DISPOSAL IS ACCEPTABLE IN MOST STATES. IT IS THE USER'S RESPONSIBILITY TO DETERMINE AT THE TIME OF DISPOSAL WHETHER YOUR PRODUCTS MEET RCRA CRITERIA FOR HAZARDOUS WASTE.

**Handling/Storage Precautions:** TREATED WOOD MUST BE DRY AND ODOR FREE BEFORE USING IN CONSTRUCTION. AFTER TREATMENT AND PRIOR TO USE, PLACE TREATED MATERIAL IN WELL VENTILATED AREA OR "OPEN AREA" ENVIRONMENT, PROTECT FROM THE ELEMENTS, AND STACK SO THAT AIR CIRCULATES AROUND EACH PIECE UNTIL DRY AND ODOR FREE. DO NOT ALLOW VAPORS TO COLLECT IN CLOSED SPACES (ESPECIALLY WORKING OR LIVING AREAS) DURING THE DRYING PROCESS. DO NOT BREATHE VAPORS OF FRESHLY TREATED WOOD. DO NOT INSTALL IN ENCLOSED OR INTERIOR AREAS UNTIL SOLVENTS HAVE COMPLETELY VOLATILIZED.

**NOTE:** DISPOSE OF ALL WASTE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

## SECTION VIII - CONTROL MEASURES

**Work/Hygiene Practices:** FOLLOW GOOD HYGIENIC AND HOUSEKEEPING PRACTICES. CLEAN UP AREAS WHERE WOOD DUST SETTLES TO AVOID EXCESSIVE ACCUMULATION OF THIS COMBUSTIBLE MATERIAL. MINIMIZE BLOW DOWN OR OTHER PRACTICES THAT GENERATE HIGH AIRBORNE DUST CONCENTRATIONS.

**Special Protective Measures:** **RESPIRATORY** - USE NIOSH APPROVED RESPIRATOR WHEN ALLOWABLE EXPOSURE LIMITS MAY BE EXCEEDED. PROVIDE SUFFICIENT EXHAUST VENTILATION TO CONTROL INHALATION EXPOSURES BELOW CURRENT EXPOSURE LIMITS AND AREAS BELOW EXPLOSIVE DUST CONCENTRATIONS. **SKIN** - CLOTH, LEATHER OR CANVAS GLOVES ARE RECOMMENDED TO PREVENT MECHANICAL IRRITATION FROM HANDLING PRODUCT. USE NITRILE OR NEOPRENE GLOVES WHEN HANDLING FRESHLY TREATED OR "WET" WOOD **EYES** - GOGGLES OR SAFETY GLASSES ARE RECOMMENDED WHEN MACHINING THIS PRODUCT.

**Other Controls, Protection:** AFTER WORKING WITH TREATED WOOD, AND BEFORE EATING, DRINKING AND USE OF TOBACCO PRODUCTS, WASH HANDS AND OTHER EXPOSED AREAS THOROUGHLY. GOOD PERSONAL HYGIENE SHOULD BE OBSERVED. LAUNDRER CLOTHING CONTAMINATED WITH SAWDUST PRIOR TO RE-USE.

MSDS: 173

**LOCATIONS WHERE THIS PRODUCT MAY BE PRESENT ARE:**

**Department:** GLULAM **Location:** GLULAM PLANT AND BEAM YARD

**ADDITIONAL INFORMATION**

HI-CLEAR II TREATED WOOD SHOULD BE USED ONLY FOR EXTERIOR ABOVE GROUND, OR INTERIOR APPLICATIONS. **GROUND OR WATER CONTACT IS NOT RECOMMENDED.**

The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if this information is suitable for their applications and to follow safety precautions that may be necessary. The user has the responsibility to make sure that this sheet is the most up to date issue.

**DATE: May 30, 2007**