

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION

TRADE NAME: HARDWOOD PLYWOOD
SYNONYMS: NONE
CAS. NO.: NONE
MANUFACTURERS NAME: DARLINGTON VENEER COMPANY, INC.
225 FOURTH STREET
DARLINGTON, SC 29532
803-393-3861
DATE REVISED: DECEMBER 15, 1995

SECTION II: HAZARDOUS INGREDIENTS

<u>COMPONENT</u>	<u>CAS #</u>	<u>EXPOSURE LIMITS</u>
FORMALDEHYDE	50-00-0	OSHA PEL - TWA 0.75 PPM OSHA PEL - STEL 2 PPM ACGIH TLV-CEILING 0.3 PPM

SECTION III: PHYSICAL PROPERTIES

BOILING POINT: N/A
SPECIFIC GRAVITY (WATER = 1): <1.0
VAPOR DENSITY: N/A
% VOLATILES BY VOLUME: 0
MELTING POINT: N/A
VAPOR PRESSURE: N/A
SOLUBILITY IN WATER: <0.1%
EVAPORATION RATE (BUTYL ACETATE = 1): N/A
pH: N/A
APPEARANCE AND ODOR: LIGHT TO DARK COLOR. COLOR AND ODOR ARE DEPENDENT UPON WOOD SPECIES.

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: N/A

AUTOIGNITION TEMPERATURE 400 ° - 500 ° F

EXPLOSIVE LIMITS IN AIR: SEE BELOW UNDER "UNUSUAL FIRE AND EXPLOSION HAZARDS".

FIRE EXTINGUISHING MEDIA: WATER, CARBON DIOXIDE, SAND

SPECIAL FIRE FIGHTING PROCEDURES AND EQUIPMENT: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: SAWING, SANDING OR MACHINING CAN PRODUCE WOOD DUST AS A BY-PRODUCT WHICH MAY PRESENT AN EXPLOSION HAZARD IF A DUST CLOUD CONTACTS AN IGNITION SOURCE.

SECTION V: REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: STABLE UNDER NORMAL CONDITIONS.

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID CONTACT WITH OXIDIZING AGENTS. AVOID OPEN FLAME. PRODUCT MAY AUTOIGNITE AT TEMPERATURES IN EXCESS OF 400° F.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL AND/OR THERMAL OXIDATIVE DECOMPOSITION CAN PRODUCE IRRITATING AND TOXIC FUMES AND GASES, INCLUDING CARBON MONOXIDE, HYDROGEN CYANIDE, ALDEHYDES, ORGANIC ACIDS AND POLYNUCLEAR AROMATIC COMPOUNDS.

HAZARDOUS POLYMERIZATION N/A

SECTION VI: POTENTIAL HEALTH HAZARDS

THIS PRODUCT MAY RELEASE SMALL QUANTITIES OF FORMALDEHYDE IN GASEOUS FORM. EMISSIONS DECREASE THROUGH TIME AS THE PANELS AGE. MANUAL OF MECHANICAL CUTTING OR ABRASION PROCESSES PERFORMED ON THE PRODUCT CAN RESULT IN GENERATION OF WOOD DUST.

FORMALDEHYDE:

EYES - GASEOUS FORMALDEHYDE MAY CAUSE TEMPORARY IRRITATION OR A BURNING SENSATION.

SKIN - MAY EVOKE ALLERGIC CONTACT DERMATTIS IN SENSITIZED INDIVIDUALS.

INHALATION - MAY CAUSE TEMPORARY IRRITATION OF THE NOSE AND THROAT. SOME REPORTS SUGGEST THAT FORMALDEHYDE MAY CAUSE RESPIRATORY SENSITIZATION, SUCH AS ASTHMA, AND THAT PRE-EXISTING RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE (i.e.: EMPHYSEMA AND OTHER CHRONIC LUNG DISORDERS).

INGESTION - NOT LIKELY TO OCCUR.

CHRONIC EFFECTS - FORMALDEHYDE IS LISTED BY THE INTERNATIONAL AGENCY FOR RESEARCH OF CANCER (IARC) AS A PROBABLE HUMAN CARCINOGEN. THE NATIONAL TOXICOLOGY PROGRAM (NTP) INCLUDES FORMALDEHYDE IN THE ANNUAL REPORT ON CARCINOGENS. FORMALDEHYDE IS REGULATED BY OSHA AS A POTENTIAL CANCER AGENT.

IN STUDIES INVOLVING RATS, FORMALDEHYDE HAS BEEN SHOWN TO CAUSE NASAL CANCER AFTER LONG TERM EXPOSURE TO VERY HIGH CONCENTRATIONS (14.00 + pm)

THE NATIONAL CANCER INSTITUTE (NCI) CONDUCTED AN EPIDEMIOLOGICAL STUDY OF INDUSTRIAL WORKERS EXPOSED TO FORMALDEHYDE (PUBLISHED JUNE, 1986). THE NCI CONCLUDED THAT THE DATA PROVIDES LITTLE EVIDENCE THAT MORTALITY FROM CANCER IS ASSOCIATED WITH FORMALDEHYDE EXPOSURE AT THE LEVELS EXPERIENCED BY WORKERS IN THE STUDY.

SECTION VII: FIRST AID

EYES: FLUSH EYES WITH LARGE AMOUNTS OF WATER. REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER. GET MEDICAL ADVICE IF RASH OR PERSISTENT IRRITATION OR DERMATITIS OCCURS.

INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ADVICE IF PERSISTENT IRRITATION, SEVERE COUGHING, OR BREATHING DIFFICULTY OCCURS.

INGESTION: NOT LIKELY TO OCCUR.

SECTION VIII: SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: PROVIDE ADEQUATE VENTILATION TO REDUCE THE POSSIBLE BUILD-UP OF FORMALDEHYDE VAPORS.

STEPS TO BE TAKEN IF SPILLED OR RELEASED: SEE ABOVE.

WASTE DISPOSAL METHOD: INCINERATE OR LANDFILL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION IX: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: WEAR OSHA APPROVED RESPIRATORS WHERE THE FORMALDEHYDE LEVEL EXCEEDS THE OSHA PEL OR STEL.

VENTILATION: VENTILATE TO ASSURE FORMALDEHYDE CONCENTRATION IS LESS THAN OSHA PEL AND STEL.

DISCLAIMER

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