



**AMERICAN
PACIFIC
PLYWOOD, INC.**
P.O. Box 8
Solvang, California 93464

MATERIAL SAFETY DATA SHEET

PRODUCTS IDENTIFICATION: UV FINISHED HARDWOOD PLYWOOD (CARB CERTIFIED II)

SYNONYMS: NONE

TRADE NAME: UV FANCY PLYWOODS (MAPLE / WALNUT / RED OAK / BIRCH)

DESCRIPTION: THIS PANEL PRODUCT CONTAINS A HARDWOOD VENEER FACE BONDED TO WOOD COMPONENTS SUCH AS OTHER WOOD VENEER LUMBER OR VENEER STRIPS USING UREA-FORMALDEHYDE RESIN. PRODUCTS HAVE ONE OR TWO SIDES WITH UV FINISHING. THESE COATINGS ARE MADE UP OF LLIGOMERS, MONOMERS, PHOTO INITIATORS & EXTENDERS.

POTENTIAL AIRBORNE RELEASES: THIS PRODUCT MAY RELEASE NO MORE THAN 0.05PPM QUANTITIES OF FORMALDEHYDE EMISSIONS PER THE CARB PHASE II REQUIREMENTS. TPC 3 CERTIFIED. MANUAL OR MECHANICAL CUTTING OR ABRASION PROCESSES PERFORMED ON THE PRODUCTS CAN RESULT IN GENERATION OF DUST.

PHYSICAL DATA:

BOILING POINT: NOT APPLICABLE

SPECIFIC GRAVITY(H20-1): <1

VAPOR DENSITY: NOT APPLICABLE

% VOLATIES BY VOL: 0

MELTING POINT: NOT APPLICABLE

VAPOR PRESSURE: NOT APPLICABLE

SOLUBILITY IN H20(% BY WGT): <0.1%

EVAPORATION RATE (BUTYL ACCIATE-1): NOT APPLICABLE

PH: NOT APPLICABLE

APPEARANCE & ODOR: LIGHT TO MEDIUM COLOR. COLOR & ODOR ARE DEPENDENT UPON WOOD SPECIES.

THIS FACT SHEET IS FOR PRODUCTS THAT HAVE BEEN FINISHED (COATED OR LAMINATED, OR TREATED. (FOR EXAMPLE, WITH UV FINISHING OR PRESERVATIVE OF FIRE RETARDANT)

FIRE & EXPLOSION DATA:



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FLASH POINT: NOT APPLICABLE

AUTO IGNITION TEMPERATURE; NOT AVAILABLE(WILL DEPEND UPON DURATION OF EXPOSURE TO HEAT SOURCE & OTHER VARIABLES)

EXPLOSIVE LIMITS IN AIR: SEE BELOW UNDER “UNUSUAL FIRE AND EXPLOSION HAZARDS”

EXTINGUISHING MEDIA: WATER CARBON DIOXIDE & SAND

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE & 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. AN AIRBORNE CONCENTRATION OF 40 GRAMS OF DUST PER CUBIC METER OF AIR IS OFTEN USED AS THE L.E.L. FOR WOOD DUST.

REACTIVITY DATA:

CONDITIONS CONTRIBUTING TO INSTABILITY: STABLE UNDER NORMAL CONDITIONS

INCOMPATIBILITY: AVOID CONTACT WITH OXIDIZING AGENTS. AVOID OPEN FLAME. PRODUCT MAY IGNITE IN EXCESS OF 400F.

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

HAZARDOUS POLYMERIZATION: NOT APPLICABLE

HEALTH EFFECTS INFORMATION:

EXPOSURE LIMITS:

FORMALDEHYDE:	CARB PHASE II	0.05 PPM
WOOD DUST (ALL SOFT & HARD WOODS EXCEPT WEST. RED CEDAR)	OSHA PEL-TWA	5 MG/M3
	OSHA PEL-STEL	10 MG/M3

HEALTH EFFECTS INFORMATION (CONTINUED)



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- EYE CONTACT:** GASEOUS FORMALDEHYDE MAY CAUSE TEMPORARY IRRITATION OR A BURNING SENSATION. WOOD DUST CAN CAUSE MECHANICAL IRRITATION.
- SKIN CONTACT:** BOTH FORMALDEHYDE & VARIOUS SPECIES OF WOOD DUST MAY EVOKE ALLERGIC CONTACT DERMATITIS INSENSITIZED INDIVIDUALS.
- INGESTION:** NOT LIKELY TO OCCUR.
- INHALATION:** GASEOUS FORMALDEHYDE: MAY CAUSE TEMPORARY IRRITATION TO EYES NOSE, THROAT. SOME REPORTS SUGGEST THAT FORMALDEHYDE MAY CAUSE RESPIRATORY SENSITIZATION SUCH AS ASTHMA, AND THAT PER EXISTING RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE.
- FORMALDEHYDE IS LISTED BY INTERNATIONAL AGENCY FOR RESEARCH ON CANCER(IARC) AS A PROBABLE HUMAN CARCINOGEN THE NATIONAL TOXICOLOGY PROGRAM(NTF) INCLUDES FORMALDEHYDE IN THE ANNUAL REPORT ON CARCINOGENS. FORMALDEHYDE IS REGULATED BY OSHA AS A POTENTIAL CANCER AGENT AND REGULATED BY CARB.
- IN STUDIES INVOLVING RATS, FORMALDEHYDE HAD BEEN SHOWN TO CAUSE NASAL CANCER AFTER LONG TERM EXPOSURE TO VERY HIGH CONCENTRATIONS(14+PPM), FAR ABOVE THOSE NORMALLY FOUND IN THE WORKPLACE USING THIS PRODUCT.
- THE NATIONAL CANCER INSTITUTE(NCI) CONDUCTED AN EPIDEMIOLOGICAL STUDY OF INDUSTRIAL WORKERS EXPOSED TO FORMALDEHYDE(PUBLISHED JUNE 1986). THE NCI CONCLUDED THAT THE DATA PROVIDE LITTLE EVIDENCE THAT MORTALITY FROM CANCER IS ASSOCIATED WITH FORMALDEHYDE EXPOSURE AT THE LEVELS EXPERIENCED BY WORKERS IN THE STUDY.
- WOOD DUST:** MAY CAUSE NASAL DRYNESS, IRRITATION AND OBSTRUCTION, COUGHING, WHEEZING AND SNEEZING, SINUSITIS & PROLONGED COLDS HAVE ALSO BEEN REPORTED. DEPENDING ON SPECIES MAY CAUSE RESPIRATORY SENSITIZATION AND/OR IRRITATION. PROLONGED EXPOSURE TO WOOD DUST HAS BEEN REPORTED BY SOME OBSERVERS TO BE ASSOCIATED WITH NASAL CANCER. WOOD DUST IS NOT LISTED AS A CARCINOGEN BY IARC, OR NTP, OR OSHA. THE POSSIBLE BUILDING OF FORMALDEHYDE GAS PARTICULARLY WHEN HIGH TEMPERATURES OCCUR.
- DRILLING, SAWING, SANDING OR MACHINING WOOD PRODUCTS GENERATES WOOD DUST, A SUBSTANCE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. HIGHLY ADVISED TO AVOID INHALING WOOD DUST OR USE A DUST MASK OR OTHER SAFEGUARDS FOR PERSONAL PROTECTION. CALIFORNIA HEALTH AND SAFETY CODE SECTION 25249.6.

PRECAUTIONS, SAFE HANDLING:



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FORMALDEHYDE: **PROVIDE ADEQUATE VENTILATION TO REDUCE THE POSSIBLE BUILDING OF FORMALDEHYDE GAS, PARTICULARLY WHEN HIGH TEMPERATURES OCCUR.**

WOOD DUST: **AVOID DUSTY CONDITIONS AND PROVIDE GOOD VENTILATION.**

GENERALLY APPLICABLE CONTROL MEASURES:

VENTILATION: **PROVIDE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONTAMINANT CONCENTRATION LEVELS BELOW THE OSHA PEL.**

PERSONAL PROTECTIVE EQUIPMENT: **WEAR GOGGLES OR SAFETY GLASSES WHEN MANUFACTURING OR MACHINING THE PRODUCT. WEAR NOSH/MSHA APPROVED RESPIRATOR WHEN THE ALLOWABLE EXPOSURE LIMITS MAY BE EXCEEDED. OTHER PROTECTIVE EQUIPMENT SUCH AS GLOVES AND OUTER GARMENTS MAY BE NEEDED DEPENDING ON DUST CONDITIONS.**

EMERGENCY & FIRST AID PROCEDURES:

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 ADVISE 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 APPLICABLE**

IMPORTER NAME & ADDRESS DATE SUPERSEDED DATA PREPARED BY



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