



MATERIAL SAFETY DATA SHEET ODEK PLYWOOD

IDENTIFICATION

Product Name:	ODEK Plywood
Manufacturer:	LLC "ODEK" Ukraine 9, Zavodska str, Orzhiv, 35313 Rivne region, Ukraine. tel. +38 0362 693 627 fax +38 0362 693 610 E-mail: marketing@odekdns.utel.net.ua www.odek.com.ua
Description:	A plywood panel product manufactured of Birch or Alder veneers bonded with a Phenolic resin and optionally overlaid with Phenol or Melamine based films.
Application:	Concrete form-work systems, floors, walls and roofs in transport vehicles, container floors, furniture, sports and playground elements, flight cases, packaging, sound insulation systems, advertising boards, etc.

HAZARDOUS INGREDIENTS

Formaldehyde:	CAS No. 50-00-0.
Formaldehyde Emissions:	In compliance with CARB Phase 2 requirements. Gas analysis value, $\text{mg}/\text{m}^2\text{h} = 0,1$.
Wood Dust:	Following are wood dust exposure limits, which are in accord with those recommended by OSHA: OSHA PEL-TWA $5\text{mg}/\text{m}^3$ OSHA PEL-STEL $10\text{mg}/\text{m}^3$.

PHYSICAL CHARACTERISTICS

State:	Solid
Boiling Point:	Not applicable
Vapor Pressure:	Not applicable
Melting Point:	Not applicable
Vapor Density:	Not applicable
Reactivity in Water:	Not applicable
Evaporation Rate:	Not applicable
Density:	$650-720 \text{ kg}/\text{m}^3$
Appearance:	Varies by species and films color.

FIRE AND EXPLOSION DATA

Flash Point:	Not applicable.
Auto Ignition Temperature:	200 °C.
Explosive Limits in Air:	The product listed in this MSDS is not an explosion hazard. Sawing, Sanding, or Machining could result in the by-product wood dust. Wood dust may present a strong to severe explosion hazard if a dust cloud contacts an ignition source.
Fire Extinguishing Media:	Water, Carbon Dioxide, Sand.
Special Fire Fighting Procedures:	Fire fighting procedures for wood are well known.

HEALTH HAZARD DATA

Formaldehyde:	<p>These products release very low amounts of formaldehyde. Formaldehyde may be irritating to the eyes, nose throat and skin. It may aggravate existing respiratory problems and cause allergies in certain susceptible persons.</p> <p>Formaldehyde is listed by Occupational Safety & Health Administration (OSHA) as Probable Human Carcinogen.</p> <p><u>Emergency and First Aid Procedures:</u> Inhalation: Remove to fresh air Eyes: Remove to fresh air Skin: Remove to fresh air Ingestion: Not applicable If irritation or other symptoms persist, consult a physician.</p>
Wood Dust:	<p>Eye Contact: Wood dust can cause mechanical irritation.</p> <p>Skin Contact: Various species of wood dust may evoke allergy in sensitive individuals.</p> <p>Ingestion: Not likely to occur.</p> <p>Inhalation: Wood dust may cause nasal dryness, irritation and obstruction. Coughing, wheezing and sneezing; sinusitis and prolonged colds have also been reported.</p> <p><u>Emergency and First Aid Procedures:</u> Eye contact: Flush eyes with large amounts of water. Enable fresh air environment. If irritation persists, get medical attention. Skin contact: 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 applicable.</p>

REACTIVITY DATA

Conditions contributing to instability:	Stable under normal conditions
Incompatibility:	Avoid contact with oxidizing agents & strong acids. Avoid open flame. Product may ignite in excess of 200 °C.
Hazardous polymerization:	Not applicable.

SPECIAL PROTECTION DATA

Respiratory protection:	Not usually required if dust and formaldehyde concentrations are within acceptable limits. Approved dust/formaldehyde respiratory protectors and goggles are recommended when the allowable exposure limits may be exceeded.
Protective gloves:	Not required. Cloth, canvas, or leather gloves are recommended.
Eye protection:	Goggles or safety glasses are recommended when machining products.
Mechanical (general):	Provide general ventilation in processing and storage areas as needed so that exposure limits are met.

HANDLING, STORAGE AND TRANSPORTATION

Handling:	Provide adequate ventilation to reduce the possible buildup of formaldehyde gas, particularly when high temperatures occur. Avoid dusty conditions and provide good ventilation.
Storage:	Plywood products are combustible (except those are impregnated with fire-retardant solvents) and therefore, should not be subjected to temperatures exceeding the auto ignition temperatures. Water spray may be used to wet down plywood dust generated by sawing, sanding or machining to reduce the likelihood of ignition or dispersion of dust into the air.
Transportation:	No special transport requirements are considered necessary.

Important: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. LLC "ODEK" Ukraine makes no warranty of any kind, express or implied concerning the accuracy or completeness of the information and data herein. LLC "ODEK" Ukraine will not be reliable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading. It is incumbent upon the user to obtain the most up to date information.