SPECIALISED PANEL PRODUCTS

01992 410333

mail@spp.co.uk

Material Safety Datasheet: Birch Plywood

IDENTIFICATION

Product Name:	Birch Plywood
Description:	A panel manufactured with rotary cut birch veneers laid up with grain alternating at 90 degrees. Bonded with a phenol resin or a melamine-urea-formaldehyde resin. Faces can be sanded unfinished or overlaid with phenol or melamine based films.
Applications:	Construction, packaging, flooring, furniture, joinery, wall lining, concrete formwork, cases.

HAZARDOUS INGREDIENTS

Formaldehyde:	CAS No. 50-00-0
Formaldehyde Emissions:	In compliance with CARB Phase 2 requirements. Gas analysis value mg/m2h = 0.1 Significantly below EN13986 Class E1
Wood Dust:	Wood dust exposure limits must be kept within the recommended OSHA limits.

PHYSICAL CHARACTERISTICS

State	Solid
Boiling Point	Not applicable
Vapour Point	Not applicable
Melting point	Not applicable
Vapour Density	Not applicable
Reactivity in Water	Not applicable
Density	680-750 kg/M3
Appearance	Raw: light pale yellow. Film Faced: varies depending on film.

FIRE & EXPLOSION DATA

Flash Point:	Not applicable
Auto Ignition:	> 200 degrees Celsius
Explosive Limits in Air:	This product is not an explosive hazard. Sawing, sanding and machining will produce 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

HEALTH HAZARD DATA

Formaldehyde:	This product releases very low amounts of formaldehyde. Formaldehyde may be irritating to eyes, nose, throat and skin. It may aggravate existing respiratory problems and cause allergies in susceptible people. Formaldehyde is listed by Occupational Safety & Health Administration (OSHA) as Probable Human Carcinogen.	
Emergency & First Air Procedures:	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.

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Wood Dust:	Eye Contact:	Wood dust can cause mechanical irritation.
	Skin Contact:	Various species of wood dust may evoke allergy in sensitive individuals.
	Ingestion:	Not likely to occur.
	Inhalation:	Wood dust may cause nasal dryness, irritation and obstruction. Coughing, wheezing and sneezing: sinusitis and prolonged colds have also been reported.
Emergency & First Aid Procedures:	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.

COMPLIANCE to REACH

Birch plywood meets all the requirements of the REACH Regulation. It does not contain SVHC (Substances of Very High Concern) listed on the REACH candidate list for authorisation exceeding concentration 0.1% by weight.

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 degrees Celsius.
Hazardous polymerisation:	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 & TRANSPORATION

Handling:	Provide adequate ventilation to reduce the possible build up 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. Store in a well ventilated, weather protected area with the panels stacked both horizontally and level.
Transportation:	No special transport requirements are considered necessary.