

August 2005

Product Identification: Softwood Plywood*

Synonyms: None

Trade Name: (Natron Wood Products)

Description

This panel product contains bonded layers of softwood veneer. **

Potential Airborne Releases

Manual or mechanical cutting or abrasion performed on the product can result in generation of wood dust.

Physical Data

Boiling Point.....	Not Applicable
Specific Gravity.....	< 1
Vapor Density.....	Not Applicable
% Volatiles by Volume.....	0
Melting Point.....	Not Applicable
Vapor Pressure.....	Not Applicable
Solubility in Water (% by volume).....	< 0.1%
Evaporation Rate (Butyl Acetate = 1).....	Not Applicable
pH.....	Not Applicable
Appearance and Odor.....	Light to dark color. Color and odor are dependent upon wood species.

* This fact sheet is for products that have not been finished (coated, laminated, or overlaid) or treated (for example, with preservative or fire retardant)

** Most softwood plywood is bonded together with phenol-formaldehyde resin. The product may release very small quantities of formaldehyde (CAS 50-00-0) in gaseous form. Emissions are below 0.1 ppm and decrease through time as the panels age.

Fire and Explosion Data

Flash Point.....	Not Applicable
Autoignition Temperature.....	Not Available (will depend upon duration of exposure to heat source and 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 and Explosion Hazards.....	Sawing, sanding or machining can produce wood dust as a by-product that may present an explosion hazard if a dust cloud contacts an ignition source.

Reactivity Data

Conditions Contributing to Instability.....	Stable under normal conditions.
Incompatibility.....	Avoid contact with oxidizing agents. Avoid open flame. Product may ignite 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.....	Not Applicable.

Health Effects Information

Exposure Limits

Wood Dust..... OSHA PEL – TWA:
15.0 mg / m³ (total dust); 5.0 mg / m³
respirable.

American Conference of Governmental
Industrial Hygienists (ACGIH) – TLV:
0.5 mg/m³ for Western Red Cedar;
1.0 mg/m³ for all other species.

Eye Contact..... Wood dust can cause mechanical irritation.

Skin Contact..... Various species of wood dust may evoke
allergic contact dermatitis in sensitized
individuals.

Ingestion..... Not likely to occur.

Inhalation: Wood dust..... May cause nasal dryness, irritation and
obstruction. Coughing, wheezing, sneezing,
sinusitis and prolonged colds have also
been reported.

Depending on species, may cause
respiratory sensitization and/or irritation.

IARC classifies wood dust as a carcinogen
to humans (Group 1). This classification is
based primarily on IARC's evaluation of
increased risk in the occurrence of
adenocarcinomas of the nasal cavities and
paranasal sinuses associated with exposure
to wood dust. IARC did not find sufficient
evidence to associate cancers of the
oropharynx, hypopharynx, lung, lymphatic
and hematopoietic systems, stomach, colon
or rectum with exposure to wood dust.