



UB TRADING PTY LTD

7 Moree Place Bossley Park NSW 2176  
P: 61 2 9823 4002 - F: 61 2 9823 4005  
ABN: 48 821 975 815

## Safety Data Sheet (SDS)

Issue Date: 19<sup>th</sup> March 2010  
Revision date: 24<sup>th</sup> June 2013  
Revision date: 13<sup>th</sup> February 2015  
Revision date: 15<sup>th</sup> February 2015

### Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

This Material Safety Data Sheet (MSDS) is written by UB Trading Pty Ltd in accordance with Worksafe Australia guidelines. This information contained must not be altered, deleted or added to. UB Trading Pty Ltd will not accept responsibility for changes made to its MSDS content by any other person.

#### IDENTIFICATION:

Product Name: AS6669:2007 Plywood - Formwork – Specifications

Model	BSI Review date	Description
F17	02/05/2014	Grade 17 (I-229 Z-26.2/I-195 Z-25.0) Formwork Plywood, A Bond, Veneer Quality DD, 17.10.11, Class 2, E-0. Size 1200 x 2400 x 17mm Size 1200 x 1800 x 17mm

Holds Certificate Number	BMP 609059
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Product Name: AS/NZS2269.0:2012 Plywood – Structural - Specifications

Model	BSI Review date	Description
F17	02/05/2014	Grade 17 (I 229/Z 26.2 – I 195 / Z 25.0) Structural Plywood, A Bond, Veneer Quality DD, 17.10.11, E-0. Size 1200 x 1800 x 17mm Size 1200 x 2400 x 17mm
Holds Certificate Number		BMP 615302

Product use:                                    Glued product used in residential, commercial, and industrial construction, and/or general purpose building material.

Section 2 - HAZARDS IDENTIFICATION

Statement of hazardous nature:        non-hazardous substance  
Non-Dangerous goods:                    According to the Criteria of NOHSC, and the ADG  
Code. Poisons Schedule:                    None  
Risk Safety:                                    None under normal operating conditions.

Eye contact:                                    eye contact may cause temporary irritation or a  
burning sensation. Wood dust may cause irritation

Skin Contact:                                    Both formaldehyde and dust may cause irritation to  
skin for sensitive individuals

Inhalation:                                      wood dust and or formaldehyde may cause nasal  
dryness and or irritation.



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Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
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Proportion by weight	Wood veneer None >92%
A Bond - Phenol formaldehyde resin	< 0.0115ppm (< 8%)
Dynea film	< 0.52%

In well ventilated storage areas and work places utilising these products the concentration of formaldehyde in the air will not exceed the World Health Organisation standard of 0.1ppm for the general environment and it will be well below the Worksafe Australia occupational Exposure Standard of 1.0ppm on a time weighted average (twa).

Hazchem Code:	None allocated
Poisons Schedule:	None allocated
Use:	Residential, commercial, industrial and marine construction, furniture and fitments and/or general purpose building material.
Physical Description:	The products are manufactured as pressed boards ranging in thickness from 17mm thick.
Made from:	Pinus and other wood veneers bonded together with resin.
Odour:	No distinctive odour. Newly manufactured plywood and freshly machined surfaces tend to have the odour of the wood species from which the plywood is manufactured.
Boiling Point:	Not applicable
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Melting Point:	Not applicable
Solubility in Water:	Highly insoluble
Flashpoint:	Not applicable
Specific Gravity:	0.50-1.00
Flammability in air:	Fine airborne wood dust, generated when the product is machined, can ignite spontaneously.
Auto Ignition Temperature:	>200°C

Sealing plywood with paint, varnish or other surface finishes further reduces any emissions.

Cured resin: The cured resin is inert and not likely to contribute to health effects.



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#### Section 4 - FIRST AID MEASURES - FOR CONSTRUCTION USE

Site recommendation:	Comprehensive first aid kit Eye washing facilities
Eye exposure:	hold eyelids open, flush with water for 15 – 20 minutes. Remove contact lenses if safe to do so. If irritation persists seek medical advise and assistance.
Skin Contact:	wood dust and or particles may cause skin irritation in some individuals. If large area or irritation develops then seek medical assistance.
Inhaled:	if wood dust is inhaled, then seek fresh air. If breathing difficulties or asthma persists then seek medical assistance.

#### Section 5 - FIRE FIGHTING MEASURES

Hazard type:       combustible wood veneer

##### EXTINGUISHING

Water spray

Foam

Dry chemical powder

BCF (where regulations permit)

Carbon dioxide.



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#### FIRE FIGHTING

Alert Fire Brigade identify location and hazard. Use water delivered as a fine spray to control the fire and cool adjacent area. Wear breathing apparatus plus protective gloves.

Decontaminate equipment after use.

#### FIRE/EXPLOSION HAZARD Combustible.

Will burn if ignited.

Wood products do not normally constitute an explosion hazard.

Mechanical or abrasive activities which produce wood dust, as a by-product, may present a severe explosion hazard if a dust cloud contacts an ignition source.

Hot humid conditions may result in spontaneous combustion of accumulated wood dust.

Partially burned or scorched wood dust can explode if dispersed in air.

Wet dusts may ignite spontaneously.

Solid fuels, such as wood, when subjected to a sufficient heat flux, will degrade, gasify and release vapours.

There is little or no oxidation involved in this gasification process and thus it is endothermic.

This process is referred to as forced pyrolysis but is sometimes referred to, wrongly, as smoldering combustion.

This type of combustion, once initiated, can continue in a low-oxygen environment, even when the fire is in a closed compartment with low oxygen content.

An airborne concentration of 40 grams of dust per cubic meter of air is frequently used as the lower explosive limit (L.E.L) of wood dusts.

Thermal oxidative decomposition may produce vapours and gases including carbon monoxide

FIRE INCOMPATIBILITY  
HAZCHEM:

Avoid exposure to excessive heat and fire.  
None



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## Section 6 - ACCIDENTAL RELEASE MEASURES

### EMERGENCY PROCEDURES MINOR SPILLS

#### MAJOR SPILLS

Pick up.

Secure load if safe to do so.

Bundle/collect recoverable product.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

## Section 7 - HANDLING AND STORAGE

### Flammability:

Plywood boards are flammable, however are also difficult to ignite.

Suggested precautions to be followed to avoid ignition of the plywood sheets.

Do not allow build-up of wood dust and or wood particles (offcuts).

Ensure work area and storage area is well ventilated.

Remove any potential sources of radiant heat and flame.

Remove any potential sources of sparks and sources of ignition (any electrical equipment and or machinery).

Do not smoke in the work area and storage area.

### General:

Ensure all machinery is fitted with appropriate dust extractor and / or bags.

Ensure all hand tools are fitted with appropriate dust extractor and / or bags.

Ensure work and storage area is well ventilated.

Ensure work and storage area is kept clean (washed and or vacuumed every day).

### Smoking:

Do not smoke in the work area and storage area.



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**Waste Disposals:**

Waste material should be disposed of at approved landfill sites, or disposed of in an approved furnace or incinerator, in accordance with disposal authority guidelines.

**Storage and Transport:**

Ensure work area and storage area is well ventilated.

Remove any potential sources of radiant heat and flame.

Remove any potential sources of sparks and sources of ignition (any electrical equipment and or machinery).

Do not smoke in the work area and storage area.

Use suitable transport vehicles and lifting equipment, secure product with adequate and appropriate straps.

**Fire/Explosion Hazard:**

Early fire hazard properties as determined in accordance with AS1530 Part 3.

Ignitability Index	14
Spread of Flame Index	7
Heat Evolved Index	8-9
Smoke Developed Index	2-3

Burning or smouldering boards or wood dust can generate carbon dioxide and other pyrolysis products typical of burning organic material. Dry wood dust in high concentrations can be explosive. Use water or dry chemical fire extinguishers.



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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Respiratory:

It is advisable to avoid breathing wood dust.

If you are working with plywood (cutting, drilling, sanding or other), you may be exposed to wood dust. Wood dust may cause irritation to the throat. It is advisable to wear an Australian standard approved dust mask. Respirators and equipment should comply with relevant Australian standards.

You should work in a clean and ventilated environment. You should use adequate and efficient dust extraction systems (that meet Australian standards and manufacturers recommendations). Equipment must be maintained in accordance with standards and manufacturers recommendations.

### Eye Protection:

Avoid contact with eyes.

If you are working with plywood (cutting, drilling, sanding or other), you may be exposed to wood dust. Wood dust may cause irritation to the eyes. It is advisable to wear an Australian standard, approved eye protection, such as glasses or non-fogging goggles.

### Skin Protection:

Avoid contact with skin.

If you are working with plywood (cutting, drilling, sanding or other), you may be exposed to wood dust and or splinters. Wood dust may cause irritation to the eyes.

To help avoid skin irritation (caused by dust or splinters) it is advisable to wear long sleeved shirts, long trousers and work gloves that meet Australian standards. Gloves will minimize the risk of splinters.





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After contact with plywood (handling) it is recommended to wash with warm water and to use soap. It is also recommended to wash the clothing used.

If your skin becomes irritated it is not recommended to scratch or rub the irritated area. If irritation continues it is advisable to seek medical advice.

If you require further information on effects of exposure to wood dust, please seek medical advice.

#### HANDS/FEET

Protective gloves (AS2161).

Safety footwear that meet with relevant Australian standards.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Precautions for use / exposure:

Exposure standards for softwood (e.g. pine) dust and formaldehyde are:

OSH Worksafe Australia Wood dust:

5 mg/m<sup>3</sup> time-weighted average (TWA) 5 mg/m<sup>3</sup> time-weighted average (TWA)

10 mg/m<sup>3</sup> short term exposure limit (STEL) Wood dust is also listed as a sensitiser.

Exposure Standard for Formaldehyde 1.0 ppm (1.2 mg/m<sup>3</sup> ) time-weighted average (TWA)

2.0 ppm (2.5 mg/m<sup>3</sup>) short term exposure limit (STEL)

1.0 ppm (1.2 mg/m<sup>3</sup> ) time-weighted average (TWA)

2.0 ppm (2.5 mg/m<sup>3</sup>) short term exposure limit (STEL)

It is recommended that workplace exposures to wood dust should not exceed 1.0 mg/m<sup>3</sup> TWA.



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## Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

### CONDITIONS CONTRIBUTING TO INSTABILITY

Product is considered stable and hazardous polymerisation will not occur.

## Section 11 - TOXICOLOGICAL INFORMATION

### Respiratory:

It is advisable to avoid breathing wood dust.

If you are working with plywood (cutting, drilling, sanding or other), you may be exposed to wood dust. Wood dust may cause irritation to the throat. It is advisable to wear an Australian standard approved dust mask. Respirators and equipment should comply with relevant Australian standards (AS/NZS1716).

You should work in a clean and ventilated environment. You should use adequate and efficient dust extraction systems (that meet Australian standards and manufacturers recommendations). Equipment must be maintained in accordance with standards and manufacturers recommendations.

### Eye Protection:

Avoid contact with eyes.

If you are working with plywood (cutting, drilling, sanding or other), you may be exposed to wood dust. Wood dust may cause irritation to the eyes. It is advisable to wear an Australian standard approved eye protection, such as glasses or non-fogging goggles.



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**Skin Protection:**

Avoid contact with skin.

If you are working with plywood (cutting, drilling, sanding or other), you may be exposed to wood dust and or splinters. Wood dust may cause irritation to the eyes.

To help avoid skin irritation (caused by dust or splinters) it is advisable to wear long sleeved shirts, long trousers and work gloves that meet Australian standards (AS2161). Gloves will minimize the risk of splinters.

After contact with plywood (handling) it is recommended to wash with warm water and to use soap. It is also recommended to wash the clothing used.

If your skin becomes irritated it is not recommended to scratch or rub the irritated area. If irritation continues it is advisable to seek medical advice.

If you require further information on effects of exposure to wood dust, please seek medical advice.

**TOXICITY AND IRRITATION**

Not available. Refer to individual constituents. PHENOL/ FORMALDEHYDE POLYMER SODIUM SALT: No data of toxicological significance identified in literature search.

**Section 12 - ECOLOGICAL INFORMATION**

Wood veneers will decay over time

**Section 13 - DISPOSAL CONSIDERATIONS**

Recycle wherever  
Dispose in State Land Waste Management Facility  
Avoid burning



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#### Section 14 - TRANSPORTATION INFORMATION

Use suitable transport vehicles and lifting equipment, secure product with adequate and appropriate straps.

Treated and untreated timber is not classified as dangerous good according to ADG

#### Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE: None  
REGULATIONS Plywood (CAS: None):

No regulations applicable phenol/ formaldehyde polymer sodium salt (CAS: 40798-65-0) is found on the following regulatory lists; Australia Exposure Standards Australia Inventory of Chemical Substances (AICS) No data available for wood dust softwood as CAS: Not avail.

#### Section 16 - OTHER INFORMATION

##### Formaldehyde emission

In the finished product, the cured resin is inert and not likely to contribute to health effects.

Formaldehyde gas is irritating to the nose and throat, eyes and skin. It is recommended that storage areas be well ventilated to avoid any irritating effects of a build-up of formaldehyde. In well ventilated storage areas and work places utilising these products the concentration of formaldehyde in the air will not exceed the World Health Organisation standard of 0.1 ppm for the general environment and it will be well below the occupational Exposure Standard of 1.0 ppm on a time weighted average (TWA).



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Sealing plywood with paint, varnish or other surface finishes further reduces emissions from the boards. The International Agency for Research on Cancer (IARC) assessed formaldehyde in 1982 as Group 2A: - possibly carcinogenic to humans - on the basis of evidence that inhalation of formaldehyde gas caused nasal cancer in experiments with rats. In the experiments, groups of rats were exposed to formaldehyde for six hours a day, five days a week for up to two years at concentrations of 0, 2.0, 5.6 and 14.3 ppm. Fifty percent of those exposed at 14.3 ppm, one percent exposed to 5.6 ppm, but none exposed to 2.0 or 0 ppm developed nasal cancers.

There have been more than thirty epidemiological studies involving over 150,000 people occupationally exposed to formaldehyde. These, and studies of behaviour to toxicity, indicate that exposure to formaldehyde below the occupational Exposure Standard of 1 ppm TWA (time weighted average) will not result in a increased risk of cavity cancers in humans.

As veneer products have emission levels of 0.03 to 0.05 ppm, well below the WHO recommended level of 0.1 ppm, under reasonably foreseeable circumstances it is unlikely that the presence of traces of formaldehyde in the product poses a health risk.

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