

**WOODHOUSE EDGE LINE®
ACRYLIC PRIMER SYSTEM AND WOOD ADHESIVE**



Important Notice: This Material Safety Data Sheet (MSDS) is issued by Woodhouse Timber Company in accordance with Worksafe Australia guidelines. As such, the information contained herein must not be altered, deleted or added to. Woodhouse Timber will issue a new MSDS when there is a change in product specifications and/or Worksafe Australia guidelines/regulations. Woodhouse Timber will not accept any responsibility for any changes made to its MSDS in content by any other person or organisation. Classified as NON-HAZARDOUS according to the criteria of NOHSC Australia. Exposure to wood dust may cause irritation and sensitisation of the skin and mucous membranes associated with inhalation routes

WOODHOUSE EDGE LINE® ACRYLIC PRIMER

1. Product Identification

Product name: Water Based Wood Primer
Ingredient: Polyvinyl Acetate Emulsion, titanium dioxide, water

2. Composition/Information on ingredients

This product is a preparation.
This product does not contain any substances presenting a health or environmental hazard.

3. Hazards Identification

Not classified as hazardous according to regulatory criteria.

4. First Aid Measures

Inhalation: Move to fresh air.
Skin contact: Wash with water and soap as a precaution. If skin irritation persists, call a physician.
Eye contact: Rinse with plenty of water. If eye irritation persists, consult a specialist.
Ingestion: Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

5. Fire-Fighting Measures

Thermal decomposition: 177°C
Suitable extinguishing: Use extinguishing media appropriate for surrounding fire.
Media: —
Specific hazards during fire fighting: Material can splatter above 100C/212F. Dried product can burn.
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and protective suit.

6. Accidental Release Measures

Personal precautions:

- Use personal protective equipment.
- Keep people away from and upwind of spill/leak.
- Material can create slippery conditions.

Environmental precautions: **CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
Methods for cleaning up:

- Contain spills immediately with inert materials (e.g. sand, earth).
- Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

7. Handling and Storage

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.
Do not breathe vapors, mist or gas.

Further information on storage conditions: Keep from freezing-product stability may be affected. STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.
See SECTION 8 for types of ventilation required.

8. Exposure Controls/Personal Protection

Exposure limit(s)

Exposure limits are listed below, if they exist.

Exposure controls

Eye protection: Safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves

Respiratory protection:

Use certified respiratory protection equipment meeting EU requirements(89/656/EEC, 89/688/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

Protective measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. Physical and Chemical Properties

Physical state: Liquid, no hard block, uniform after stirring

Colour: Templet

pH: 7-8

Boiling point/range: 100°C water

Melting point/range: 0°C water

Flashpoint: Noncombustible

Lower explosion limit: Not applicable

Upper explosion limit: Not applicable

Vapour pressure: 17.0 mmHg at 20°C water

Relative vapour density: <1.0 water

Water solubility: Dilatable

Viscosity: 20-30S

Solids content: 65±5%

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. Stability and Reactivity

Hazardous reactions: None known. Stable.

Materials to avoid: There are no known materials which are incompatible with this product.

Polymerization: Product will not undergo polymerization.

11. Toxicological Information

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

Acute oral toxicity: LD50 rat >5,000 mg/kg

Acute dermal toxicity: LD50 rabbit >5,000 mg/kg

Skin irritation: rabbit May cause transient irritation.

Eye irritation: rabbit No eye irritation

12. Ecological Information

There is no data available for this product.

13. Disposal Considerations

Environmental precautions: CAUTION: Keep spills and cleaning run off out of municipal sewers and open bodies of water.

Disposal

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. Transport Information

Classification for ROAD and Rail transport: Not regulated (Not dangerous for transport)

Classification for SEA transport (IMO-IMDG): Not regulated (Not dangerous for transport)

Classification for AIR transport (IATA/ICAO): Not regulated (Not dangerous for transport)

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15. Regulatory Information

Label

Classification and labeling have been performed according to regulations.

WOODHOUSE EDGELINE® WOOD ADHESIVE

Aqueous Polyurethane Adhesive For Wood

DLS-3600 with good resistance to water, solvent and heat, excellent mechanical properties, has wide applied areas in the manufacture of various wood works.

Usage

1. Bonding of wood, hardwood and softwood suitable for the manufacture of glue laminated and jointed wood products.
2. Bonding of wood and cement, plastics, metal, suitable for exterior decoration of buildings and surface decoration of wood-based panels.

Feature

1. Excellent bond strength
2. Water based, thus safe and uncontaminated
3. Free from formaldehyde and phenol
4. Approximately neutral
5. Curing at room temperature
6. High initial bond strength
7. Good gluing property at lower temperature

Physical Properties

Item	Base Resin DLS-3600A	Curing Agent DLS-3600B
Appearance	white viscous liquid	brownish blank liquid
Solids content, %	58±3	≥99
Viscosity, P(25°C)	14500-19500mpa.s	

Bonding Properties

Impregnation delamination %: <10

Compression shear strength	Strength(Mpa)	Wood failure(%)
Manchurian ash (hard wood)	≥7.50	≥60
Spruce (soft wood)	≥5.50	≥70

Instructions for Use

1. Condition of lamina:	Thickness deviation	<0.1mm
	Wood moisture	10±3%
2. Resin versus curing agent weight ratio:	DLS-3600A:DLS-3600B=100:15	
3. Glue spread:	250~350g/ m ²	
4. Assembly time:	<30 min	
5. Pressure:	soft wood	7~10Kg/cm ²
	hard wood	12~15Kg/cm ²
	Temperature	room temperature
	Press time	30~60 min
	For lower temperatures, press time should be prolonged appropriately.	
6. Ageing time	>3 days above 20°C	

Points for attention

1. Store in tightly closed containers in dry, well ventilated area and protect from frost.
2. Storage stability 6 months at 20°C in well closed packaging.

1. Identification of the product

Product name: DLS-3600 (Replaces (former date) 10/24/2005)

Product type: Polyvinyl acetate dispersion

Field of use: Gluing of wood

2. Main Composition/Information on ingredients

Name	Contents:
Polyvinyl	50-70%
Water	30-50%

3. Hazards Identification

Not identified as a health hazard according to regulations

4. First aid measures

General: Remove victim immediately from source of exposure. Provide rest, warmth and fresh air, Keep affected person under observation. Get medical attention if necessary or contact emergency centre. When unconscious, loosen tight clothing and position in secured side position. In case of suspended respiratory/

heart action: Start resuscitation.

Inhalation: Remove to fresh air, call doctor if any problem persists.

Eye contact: Rinse immediately with water for at least 15 minutes. Open eyes widely. Seek medical attention.

Skin contact: Remove contaminated cloths immediately, and wash skin thoroughly with soap and water. Skin cleaner can be used. Do not use solvents or dilution agents.

Ingestion: If the victim is awake, give water or other drink to flush the mouth and to dilute chemicals that have been swallowed. In case of vomiting, keep the head low to prevent blocking of respiratory tract and to prevent the chemical from entering the lungs. Contact doctor for continued treatment.

5. Fire-fighting measures

Extinguishing media: Use extinguishing media appropriate for surrounding fire.

Special fire fighting procedures: Move container from fire area if it can be done without risk.

Unusual fire & explosion hazards: Non-flammable

Hazardous combustion products: Fire or high temperature create: carbon monoxide (CO), carbon dioxide (CO₂).

Protective measures in fire: Avoid skin contact/inhalation of dust/vapors.

6. Accidental release measures

Personal precautions: Wear necessary protective equipment.

Environmental Precautions: Limit the leakage field. Block up contaminated area. Runoff or release to sewer, waterway or ground is forbidden.

Methods for clean-up Absorb in vermiculite, dry sand or earth and place into containers. Collect in containers and seal securely. Remove containers and flush area with water. Inform authorities if large amounts are involved.

7. Handling and storage

Handling: Avoid skin and eye contact. Protective goggles and safety gloves are recommended.

Fire and explosion: Not hazardous with respect to either fire or explosion.

Storage: Keep product out of children. Store product in tightly closed Container in a well-ventilated place and in accordance with national regulations. Keep Product away from sources of ignition and oxidizing substances. To be kept 5-25°C. Store above freezing.

8. Exposure controls/Personal protection

Ingredient name	STD	Critical values
Vinyl acetate	OES	10ppm or 30mg/m ³
Kathon	OES	0.1mg/m ³

Ingredient comments: OES=Occupational Exposure Standard 2000

Personal protection

Process conditions:

Ventilation:

Respiratory protection:

Hand protection:

Eyes protection:

Skin protection:

Eye wash facilities should be available when handling this product.

Provide adequate general and local exhaust ventilation. Mechanical ventilation or local exhaust ventilation may be required.

Must be used if concentrations above the critical values.

For prolonged or repeated skin contact use suitable protective gloves.

Use protective gloves made of: polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene.

Wear suitable safety goggles or face shield to protect from splashes.

Wear special working clothes if necessary, by splashing wear overall suit.

9. Physical and chemical properties

Physical form:	Liquid	Density:	1.1g/cm ³ at 25°C
Color:	White	Solubility in water:	Miscible
pH:	4-6	Explosion value (vol%):	–
Boiling point:	~100°C	Oxidizing properties:	Not applicable
Flash point:	>100°C	Viscosity:	8000-12000 cps
Melting/freezing point:	0°C	(RVT spindle 5, rpm 20):	at 25°C
Partition coefficient (n-octanol/water):	Not applicable		

10. Stability and reactivity

Stability: The products is stable at the condition of handling and storage recommended.

Conditions to avoid: Not applicable.

Hazardous decomp products: Fire or high temperature create; carbon monoxide CO₂ and carbon dioxide CO.

11. Toxicological information

Acute toxicity: LD50(oral, rat): Polyvinyl acetate >5000mg/kg

Inhalation: Inhaling may cause headache and irritation.

Skin contact: Prolonged or repeated contact may cause irritation.

Eye contact: May cause redness and discomfort which is transient.

Ingestion: May cause discomfort.

Medical information: Symptomatic treatment. Vinyl acetate is regarded as a carcinogen (IARC)if a personIs exposed to higher concentrations over long periods of time.

12. Ecological information

Ecotoxicological data: Aquatic toxicity, fish (LC50): >1000mg/l

Bacteria toxicity (EC0): >1000mg/l

Biotic degradation: Polyvinyl acetate dispersion: >80%

Chemical oxygen demand: 800mg/g

Ecological information: Not regarded as dangerous for the environment.

13. Disposal information

Disposal methods: Sanitation

Taken into consideration current regulations and possibly after contact with companies and the local authorities, the product can be handed over to a controlled dumping facility or a incineration plant.

14. Transport information

Product can be transported in accordance with national regulations by carriage, by road, by rail, by sea.

15. Regulatory information

Label

Classification and labeling have been performed according to regulations.

16. Other information

The information in this safety data sheet is based on our current knowledge and on EU national regulations. The working conditions of the user are outside our control. The instructions in this safety data sheet are given on condition that the product is used as described in section 1, just as it is provided that the limitation of use and special education requirements have been respected. It is always the user's responsibility that national requirements are met. The information in this safety data sheet should be seen as a description of the product's safety requirements. The information in no guarantee for the product's qualities.

Concerning technical specification and application please see technical data sheet.