



SAFETY DATA SHEET

WB PU WOOD VARNISH PP1

Identification of the Substance / Preparation and Company

Product Details

Trade Name : WB PU WOOD VARNISH PP1
Product No :

Supplier Details

: LIQUID COLOURS (PTY) LTD
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Composition / Information On Ingredients

INGREDIENTS	CAS NO/EC NO.	MOLAR MASS	MOLECULAR FORMULA
Water	(7732-18-5)	18	H ₂ O
Triethylene amine	(0121-44-88)	101	(C ₂ H ₅) ₃ N
Polyurethane Polymer	-	-	-
N-methyl Pyrrolidinone	-	99	C ₄ H ₇ ON

Hazards Identification

Chemical Hazards

: May cause skin irritation. Harmful if swallowed.
: Combustible.
Flash point 230°C (open cup).
Avoid all sources of ignition and powerful oxidizing agents.

Health Effects

- Eyes** : Liquid vapours and mists may irritate the eyes.
- Skin** : No irritation is likely after brief contact but may be irritating after prolonged contact.
- Ingestion** : Harmful or fatal if swallowed.
- Inhalation** : May irritate upper respiratory tract, particularly if used at high temperatures.
- Carcinogenicity** : No data available
- Mutagenicity** : No data available
- Reproductive Hazards** : No data available

First Aid Measures

- Eye contact** : Remove contact lenses if worn. Immediately flush with plenty of running water for at least 15 minutes lifting the upper and lower eyelids occasionally. Seek immediate medical attention.
- Skin contact** : Remove contaminated clothing and shoes. Wash the affected area thoroughly with soap and water. Rinse well with fresh water for 15 minutes. If irritation still persists, seek immediate medical attention. Wash all contaminated clothing before re-use
- Ingestion** : If swallowed, induce vomiting by either giving ipecac syrup or by placing finger at back of throat. Rinse mouth with water. Seek urgent medical attention. If victim is unconscious, never induce vomiting, nor give any liquids. Place victim in a stable side position, keep warm and transport to medical facility for immediate medical attention.
- Inhalation** : If a victim breathes in large amounts of vapour, move to fresh air. If breathing is difficult, administer medical oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

Accidental Release Measures

- Personal precautions** : Restrict access to area until completion of the cleanup. Ensure that the cleanup is conducted by trained personnel only. Wear protective equipment to prevent excessive skin contact, including rubber boots, rubber gloves, rubber apron and self contained breathing apparatus to the pressure demand mode or a supplied air respirator. Always wear eye protection.
- Environmental Precautions** : Evacuate upwind of spills and contain with dike. Keep out of sewers, storm drains, surface waters and soils.

Clean-up Methods

- Small spills** : Can be scraped up manually and disposed of in approved waste container. Remove residual with water, Solvents are not recommended for cleanup.
- Large spills** : Pump with explosion-proof equipment. Remove residual with water, Solvents are not recommended for cleanup. Contain by diking with soil or other non-combustible absorbent and dump into an approved waste container, or absorb with non-combustible absorbent material and place in an approved waste container for disposal at a controlled site. Dispose of contaminated product and cleaning material according to local regulations.
- National advice** : Comply with all applicable governmental regulations in spill reporting, handling and disposal of waste.

Fire - Fighting Measures

- Extinguishing Media** : Extinguish with Water, foam and dry-chemicals or carbon dioxide. Cool exposed containers with water.
- Auto Ignition Temperature** : Not available
- Flammable limits** : Not available
- Protective Clothing** : Fire fighters should wear full protective equipment and self contained breathing apparatus with full face piece in positive pressure mode.

Exposure Controls / Personal Protection

- Engineering Control Measures** : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Local mechanical exhaust ventilation capable of maintaining emissions at the point of use below the TLV.
- Personal Protection***
- Respiratory** : Full respiratory protection should be readily available in case of excess contamination.
- Hands** : Wear appropriate hand protection (rubber gloves or neoprene gloves).
- Eyes** : Safety goggles or approved full face shield where splashing is possible.
- Skin** : Wear overalls, safety shoes / boots and rubber apron to prevent skin contact.
- Other** : An eyewash and safety shower should be nearby and ready for use.

Physical And Chemical Properties

Appearance	: Milky White
Odour	: Odourless
pH	: 7.5 - 8.5
Boiling point / range	: 101°C
Melting point / range	: -0°C
Density	: 1.03 - 1.4
Relative Vapour Density	: >1 (Air=1)
Vapour Pressure	: 24.3mmHg at 25°C

Handling And Storage

Handling	: Wash thoroughly after handling. Store in a cool, well ventilated area away from sources of heat, flame or ignition. Do not get in eyes, on skin or on clothing.
Storage Precautions	Keep containers tightly closed. Isolate from incompatible materials. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing.
Storage limited time	: Six months in original closed container.

Stability And Reactivity

Conditions to avoid	: Heat, flame, other sources of ignition.
Incompatible materials	: Strong oxidising agents, strong acids, strong bases, chlorine.
Stability	: Stable
Hazardous Decomp Products	: Involvement in a fire causes formation Carbon monoxide, carbon dioxide if combusted and unidentified organic components.

Toxicological Information

- Toxicity** : (Acute oral rat LD50): 570mg/kg for Triethylene amine.
(Acute dermal, Rabbit LD50): 460 ug for Triethylene amine.
- Acute toxicity** : Eye and skin contact causes irritation. Inhalation causes irritation of the respiratory tract. Ingestion is harmful or fatal if swallowed.
- Skin and eye contact** : Vapours from very hot material may irritate skin and eyes.
- Sub-chronic toxicity** : No human information available.
- Carcinogenicity** : This compound is not regulated as a carcinogen by OSHA

Disposal Considerations

- Disposal Methods** : What every cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a approved incinerator or disposed of under conditions approved by local authorities. (see also accidental release measures)
- Disposal of packaging** : Disposal of containers, and unused contents in accordance with local authorities. Always obey hazard warnings and handle empty containers as if they were full.

Ecological Information

- Eco-toxic Effects** : This material is not expected to significantly bio-accumulate.

Transport Information:

- International Transport regulations** : ICAO/IATA : N/A
IMDG : N/A
Not regulated by D.O.T.
- UN-No.** : N/A

Regulatory Information

Labelling : Hazard warning labelling compulsory

Other Information

Terms of use : This summarises at the date of issue our best knowledge of health, environmental hazard and safety information related to the product, how to safely handle, use, store and transport the product. Since Liquid Colours cannot anticipate or control the conditions on which the product may be handled, used, stored or transported, every user must prior to usage review the MSDS in relation to intended use, storage and transport of the product in the workplace and elsewhere. Such information should be communicated to all relevant parties. If further information is required please contact Liquid Colours.

Liquid Colours shall not assume any liability for the accuracy or completeness of the information contained herein or any advice given. Liquid Colours sole and exclusive warranty is that it's products comply with Liquid colours published chemical and physical specifications in effect at the time of sale. Liquid Colours liability for claim suits is in all cases limited to the purchase price of the particular quantity of product upon which the claim is based. Under no circumstances shall Liquid Colours be liable for loss of profits or any other indirect and consequential loss or damage.