

MATERIAL SAFETY DATA SHEET

AQUA-SATIN

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Aqua-Satin
Product type: Water-Borne wood primer and topcoat for interior furniture and joinery
Supplier: **TIMBERLIFE (PTY) LTD**
P.O. Box 73117, Lynnwood Ridge 0040, South Africa
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Aqua-Satin is a blend of pure acrylic polymers, rheology modifiers and cross linking additives in a water-based carrier system.

Chemical nature and use:

Aqua-Satin is a water-borne, user- and eco-friendly alternative wood finish to solvent-based nitrocellulose and acid catalysed lacquers. It provides a durable finish that is available in gloss, semi-gloss and matt and dries to a clear, tough and tack free coating with superior blocking resistance.

Aqua-Satin has excellent flow and leveling properties and is ideal for factory spray applications. Because it is solvent free, non-flammable and virtually odourless, no special fire precautions, extraction and breathing equipment are required. **Aqua-Satin** is quick drying with very good sandability and acts as both a wood primer and topcoat. After full curing, it provides a water, stain and chemical resistant finish with good wear and scratch resistance properties. It can also be tinted to various shades using Timberlife "**Aqua-Tints**" water-borne stain additives or be used as a clear coating on Timberlife "**Timber-Tones**" interior wood colouring stains.

Aqua-Satin is ideal for use as a high quality decorative finish on all interior wooden furniture, and joinery such as kitchen cupboards, wooden doors as well as coffins, etc.

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3. HAZARD IDENTIFICATION

The acrylic polymer used in this product is considered non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Most important hazards:

- Human health effects
Slightly irritating to skin on prolonged and repeated contact.
Slightly irritating to eyes if in direct contact.
May irritate nose, throat and lungs if vapours are inhaled.
- Environmental effects
May be damaging to both plant and aquatic life if in direct contact.
- Physical hazards
None
(Non-flammable and non-explosive during storage and use).

4. FIRST-AID MEASURES

Ingestion:

Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything to an unconscious person.

Skin contact:

Wash away with soap and water. If skin irritation persists, call a physician.

Eye contact:

Wash immediately with plenty of clean water for at least 15 minutes, occasionally lifting upper and lower eye lids. If eye irritation persists, consult a physician.

Inhalation:

Remove patient to fresh air. If respiratory distress is detected, seek medical attention immediately.

5. FIRE-FIGHTING MEASURES

No special precautions are necessary.

Any fire extinguisher may be used on nearby fires.

Material can splatter above 100°C.

Wear self-contained breathing apparatus and protective suit.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment.

Avoid inhalation of vapours and contact with eyes and skin.

Material can create slippery conditions.

Environmental precautions:

Avoid contamination of rivers, dams or canals.

Prevent spillage from entering drains and ditches.

Methods for cleaning up:

Block drains and contain spills with sandbags, etc. Bail out any pools of solution into clean, dry containers and remove from spill area for re-use if not contaminated.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes and skin.

In case of contact with the skin and eyes, immediately wash with water.

Do not breathe vapours, mist or gas.

Do not eat, drink or smoke while using the product.

Do not discharge into rivers, dams and canals.

Storage:

Store in a cool, dry place away from food and foodstuffs.

Keep from freezing as product quality may be affected.

Keep containers tightly closed.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:

Use in areas with appropriate ventilation.

Personal protective equipment:

When spraying the product, an appropriate respirator should be worn.

The use of protective clothing such as overalls, rubber gloves and safety goggles during handling and use of the product is recommended.

Hygiene measures:

Wash hands with soap and water before eating, drinking or smoking.

Wash overalls and clothes regularly.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Slightly viscous liquid
Colour	: Milky white
Odour	: None to mildly ammoniacal
PH	: $\pm 8,5$
Temperature stability	: Completely stable at temperatures between 5 to 90°C
Flash point	: Non-combustible
Flammability	: Non-flammable
Decomposition temperature	: Above 170°C
Explosion properties	: None
Density	: 1,035 – 1,050kg/ℓ
Viscosity (No. 4 Ford cup)	: 18,0 - 18,5
Solubility	: Dilutable in water

10. STABILITY AND REACTIVITY

Stability	: Stable if kept in unopened containers
Conditions to avoid	: Temperatures below 5°C and above 90°C
Materials to avoid	: Acidic and reducing agents
Hazardous decomposition products	: Thermal decomposition may yield acrylic monomers

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11. TOXICOLOGICAL INFORMATION

No data are available for this product. The information given below is based on toxicity profiles of compositionally similar products.

Acute toxicity : • Oral LD₅₀ (rat) - Over 5000 mg/kg
 • Dermal LD₅₀ (rabbit) - Over 5000 mg/kg
 • Inhalation LC₅₀ (rat) - No data

Local effects : See Section 3, "Human health effects"

Chronic toxicity : Rabbit – practically non-irritating
 Rabbit – inconsequential irritation

12. ECOLOGICAL INFORMATION

There is no data available for this product.

Environmental effects : See Section 3, "Environmental effects"

13. DISPOSAL CONSIDERATIONS

Product waste : Dispose of in accordance with prevailing disposal regulations, preferably by a competent waste disposal company. Avoid contamination of soil and water by waste product. Whenever possible, any waste product should be recovered and re-used.

Packaging material : Dispose of at an approved waste disposal facility.

14. TRANSPORT INFORMATION

The polymer used in this product is classified as non-hazardous and no special precautionary transport measures are necessary (See Section 15).

UN Number : N/A
Road and rail transport (ADR / RID) : Not regulated (not hazardous for transport)
Sea transport (IMO / IMDG) : Not regulated (not hazardous for transport)
Air transport (IATA / ICAO) : Not regulated (not hazardous for transport)
Class : N/A
Subsidiary Risks : N/A
Tremcard Number : N/A

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15. REGULATORY INFORMATION

EEC Hazard Classification : The acrylic polymer used in this product is considered non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

16. OTHER INFORMATION

Please consult the product label before use.

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product.

Compiled: March 2009