

# TECHNICAL DATA SHEET (TDS)

## Epoxy Bio Thinner

### Product Description

Epoxy Bio Thinner is a benzyl alcohol solvent designed for use as a thinner for epoxy coating systems. It provides effective viscosity reduction and improved workability while maintaining coating performance.

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### Recommended Use

- Thinner for epoxy coatings
- Cleaning of tools and equipment used with compatible epoxy products

### Uses Advised Against:

- Not intended for use as a standalone coating
  - Not for potable water contact applications
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### Product Composition

- **Chemical name:** Benzyl alcohol
  - **CAS No.:** 100-51-6
  - **Content:** >90%
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### Typical Physical Properties

*(Values are typical and not specifications)*

Property	Value
Physical state	Liquid
Appearance	Clear, colourless
Odour	Mild, aromatic

Relative density (20 °C)	~1.04
Boiling point	~205 °C
Flash point (closed cup)	~93 °C
Vapour pressure (20 °C)	~0.013 kPa
Solubility in water	Slightly soluble
VOC content	~100% (~1000 g/L)

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## Application Information

- Add gradually to epoxy products while mixing until desired viscosity is achieved
  - Typical addition rates depend on the epoxy system and application method
  - Always conduct a small trial before full-scale use
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## Drying / Evaporation Characteristics

- Slow evaporation rate
  - Allows extended working time compared with conventional fast solvents
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## Storage and Shelf Life

- Store in original, tightly closed containers
- Keep in a cool, dry, well-ventilated area
- Protect from excessive heat and direct sunlight

### Shelf life:

- 24 months when stored unopened under recommended conditions
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## Health and Safety

- Harmful if swallowed or inhaled
- Causes serious eye irritation
- May cause skin irritation and allergic skin reaction

Refer to the **Safety Data Sheet (SDS)** for full health, safety, and regulatory information.

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## Environmental Information

- Readily biodegradable
  - Low bioaccumulation potential
  - Avoid uncontrolled release to the environment
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## Regulatory Status (NZ)

- Approved under **HSR002670 – Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2020**  
SDS - Epoxy Bio Thinner
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## Important Notice

The information in this Technical Data Sheet is provided as guidance only and does not constitute a warranty. Users must determine suitability for their specific application and conditions.