

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.

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

Product Composition

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

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)

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

Drying / Evaporation Characteristics

- Slow evaporation rate
- Allows extended working time compared with conventional fast solvents

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

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.

Environmental Information

- Readily biodegradable
- Low bioaccumulation potential
- Avoid uncontrolled release to the environment

Regulatory Status (NZ)

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

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.