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101UT UNIVERSAL THINNER – TECHNICAL DATA SHEET

Product Identification

Product Name: 101UT Universal Thinner
Product Type: Slow Evaporation Solvent Blend
Recommended Use: Thinner and viscosity reducer for polyurethane, epoxy, acrylic, lacquer, and compatible solvent-borne industrial coatings.

Product Description

101UT Universal Thinner is a controlled-evaporation solvent blend formulated to reduce viscosity and optimise spray performance across a wide range of solvent-borne coating systems. It promotes balanced flash-off, improved atomisation, and smooth film formation while maintaining coating integrity when used according to coating manufacturer recommendations.

Typical Physical Properties

Appearance:	Clear liquid
Odour:	Ester solvent
Specific Gravity:	0.85 – 0.95 kg/L
Solubility in Water:	Partial
Volatile Content:	100%
Flash Point:	<0 °C (Closed Cup)
Boiling Range (based on solvent mix):	60 – 171 °C

Packaging

Available in 4 L and 20 L containers. Other pack sizes may be available on request.

Recommended Uses

- Polyurethane coatings
- Epoxy coatings
- Nitrocellulose lacquers
- Acrylic lacquers
- Automotive refinishing coatings
- Industrial solvent-borne finishes

Not recommended for water-based coatings.

Application Guidelines

Mixing Ratio:

Add gradually while stirring until required application viscosity is achieved. Typical addition rate is 5–25% by volume or as specified by coating manufacturer.

Equipment Compatibility:

- Conventional spray guns
- HVLP spray systems
- Pressure feed equipment
- Air-assisted airless systems

Surface Preparation

Not applicable. This product is a thinner and is not intended for direct application to substrates. Ensure coating material being reduced is properly mixed and filtered prior to thinning.

Safety & Handling

Flammable liquid. Keep away from heat, sparks, and open flames. Use only in well-ventilated areas. Avoid inhalation of vapours and contact with skin or eyes. Wear suitable PPE including respirator, gloves, and eye protection. Refer to Safety Data Sheet before use.

Storage

Store in original sealed containers in a cool, dry, well-ventilated area away from ignition sources and direct sunlight.

Limitations

Not suitable for use as a plastic cleaner or on sensitive substrates. Excess addition may adversely affect coating performance, gloss, drying time, adhesion, or film integrity. Always verify compatibility prior to full-scale application.

Disclaimer

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