

### Description

The 4353 *Thinner 3* is a moderate speed drying thinner for use with the MG Chemical's conformal coating products. The thinner promotes good flow properties and suppresses blushing.

### Applications & Usages

The moderate speed drying time of the 4353 makes it a good choice for dip or brush application of acrylic conformal coatings like the MG 419D.

### Benefits and Features

- **Blush resistant**
- **Fast evaporation rate**
- **Excellent leveling and gloss**
- **Highly miscible with other common organic solvents**
- **Compatible with most substrates used in electronic parts and enclosures**

**ATTENTION!** FOR INDUSTRIAL OR LABORATORY USE ONLY. NOT FOR RETAIL SALE IN CALIFORNIA, UTAH, AND NEW HAMPSHIRE.

### Principal Components

<b>Name</b>	<b>CAS Number</b>
toluene	108-83-3
methyl ethyl ketone (MEK)	78-93-3

### Storage Parameters

<b>Properties</b>	<b>Value</b>
Shelf Life @22 °C [72 °F]	5 y
Storage Temperature <sup>a)</sup>	-20 to 40 °C [32 to 104 °F]

a) Storage below zero is not necessary. Cool, dry, and well ventilated area is recommended.

### Properties

<i>Physical Property</i>	<i>Method</i>	<i>Value</i>
Color Odor Density @25 °C [77 °F] Viscosity @25 °C [77 °F] Flash Point Freezing Point Boiling Point Vapor Pressure @25 °C [77 °F] Relative Evaporation Rate Volatile Organic Compound (VOC) MIR value	Tag Closed Cup	Clear Aromatic 0.85 g/mL <20.5 mm <sup>2</sup> /s -1 °C [30 °F] <-86 °C [<-66 °F] 82 °C [180 °F] 6.05 kPa [45.4 mmHg] 3.77 (ButAc = 1) 100% [850 g/mL] 3.15
<i>Solubility Parameters</i>		<i>Value</i>
Solubility in water Hansen Solubility Parameters <sup>a)</sup> (cal/cm <sup>3</sup> ) <sup>1/2</sup> ; [MPa] <sup>1/2</sup>	Total Non-Polar Polar Hydrogen Bonding	slightly soluble 9.0 [18.3] 8.4 [17.2] 1.9 [3.8] 1.5 [3.0]

a) Hansen parameters calculate using component literature values and volume fraction composition.

### Compatibility

**Substrate Compatibility:** The 4353 *Thinner 3* is compatible with most substrate materials found on printed circuit assemblies.

**Solvent Miscibility:** The 4353 is highly miscible with other common organic solvent. It can be mixed with

- Alcohols
- Aldehydes
- Aromatic and Aliphatic Hydrocarbons
- Ethers
- Glycols
- Glycol Ethers
- Ketones

### Thinning Instructions

Make necessary adjustments according to your paint and spray gun equipment usage instructions. A 1.0 (paint):1.0 (thinner) dilution is a common starting point. If sagging is observed, reduce the thinner ratio.

### Packaging and Supporting Products

<i>Cat. No.</i>	<i>Packaging</i>	<i>Net Volume</i>		<i>Net Weight</i>		<i>Packaging Weight</i>	
<b>4353-4L</b>	Can	3.78 L	1 gal	3.21 kg	7.08 lb	3.24 kg	7.14 lb

Contact MG Chemicals if custom packaging or sizes are required

a) Pack of five bottles

### Technical Support

Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at [www.mgchemicals.com](http://www.mgchemicals.com).

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### Disclaimer

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