

### Description

The 4352 *Thinner 2* is a moderately fast drying thinner for use with MG Chemical's conformal coating products. It is compatible with film forming paint products with acrylic, alkyd, cellulose acetate butyrate, epoxy, nitrocellulose, or polyester resins. Together with these type of resin systems, the 4352 promotes good flow properties and suppresses blushing.

### Applications & Usages

The moderate speed drying time of the 4352 makes it a good choice for dip or brush application of acrylic conformal coatings like the MG 419D.

### Benefits and Features

- **Plastic safe**—compatible with most sensitive substrate used in electronic parts and enclosures
- **Blush resistant**
- **Moderate evaporation rate**
- **Excellent leveling and gloss**
- **Not classified as a "hazardous air pollutant"**
- **Highly miscible with other common organic solvents**

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

### Principal Components

Name	CAS Number
n-butyl acetate	123-86-4

### Storage Parameters

Properties	Value
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 Boiling Point Vapor Pressure @25 °C [77 °F] Relative Evaporation Rate Volatile Organic Compound (VOC) MIR value	Tag Closed Cup	Clear Sweet, ester-like 0.887 g/mL <20.5 mm <sup>2</sup> /s 27 °C [81 °F] 125 °C [257 °F] 1.33 kPa [10 mmHg] 1.0 (ButAc = 1) 100% [887 g/mL] 0.78
<i>Solubility Parameters</i>		<i>Value</i>
Solubility in water (%wt) Solubility for water (%wt) 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	0.7% 1.6% 17.4 [8.5] 15.8 [7.7] 3.7 [1.8] 6.3 [3.1]

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

### Compatibility

**Substrate Compatibility:** The 4352 *Thinner 2* is compatible with most substrate materials found on printed circuit assemblies.

**Solvent Miscibility:** The 4352 is highly miscible with other common organic solvent. It can be mixed with

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

### Health, Safety, and Environmental Awareness

Please see the 4352 **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

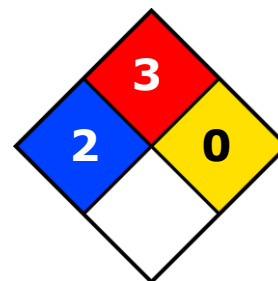
**Environmental Impact:** The 4352 has VOC (volatile organic compound) content of 100% [887 g/L]. It is RoHS compliant.

**Health and Safety:** This liquid is flammable and should be kept away from flames and other ignition sources. Avoid breathing in fumes or direct contact with the material.

### HMIS® RATING

<b>HEALTH:</b>	<b>* 2</b>
<b>FLAMMABILITY:</b>	<b>3</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	

### NFPA® 704 CODES



*Approximate HMIS and NFPA Risk Ratings Legend:*

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

## 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>4352-1L</b>	Can	945 mL	31.9 fl oz	838 g	1.84 lb	5.2 kg <sup>a)</sup>	11 <sup>a)</sup>
<b>4352-4L</b>	Can	3.78 L	1 gal	3.35 kg	7.39 lb	4.0 kg	9.0 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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### Warranty

*M.G. Chemicals Ltd.* warrants this product for 12 months from the date of purchase by the end user. *M.G. Chemicals Ltd.* makes no claims as to shelf life of this product for the warranty. The liability of *M.G. Chemicals Ltd.* whether based on its warranty, contracts, or otherwise shall in no case include incidental or consequential damage.

### Disclaimer

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