



Thinner 1

4351 Technical Data Sheet

ISO 9001:2008 Registered Quality System. Burlington, Ontario, CANADA SAI Global File: 004008

4351-Liquid

Description

The 4351 *Thinner 1* is a mild diluent designed for MG Chemical's EMI/RFI shielding products.

Applications & Usages

This thinner is used to dilute EMI/RFI shielding coatings that require mild, plastic safe solvents. As a cleaner, it is effective at removing various contaminants like oil and greasy flux residues without harming the substrate prior coating the surface.

Features and Benefits

- **Plastic safe**—compatible with most sensitive substrate used in electronic parts and enclosures
- **Moderately fast evaporation rate**

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

Principal Components

Name	CAS Number
Isopropanol	67-63-7
N-butyl acetate	123-86-1

Properties

Physical Properties	Method	Value
Color	—	Clear
Odor	—	Rubbing alcohol
Viscosity @25 °C [77 °F]	Brookfield SP1	~1 cP [0.01 Pa·s]
Density @25 °C [77 °F]	—	0.80 g/mL
Flash Point	Closed Cup	15 °C [59 °F]
Boiling Point	—	65 °C [149 °F]
Vapor Pressure @25 °C [77 °F]	—	7.5 kPa [56 mm of Hg]
Volatile Organic Compound (VOC)	—	100% [800 g/mL]

Compatibility with Substrate

The 4351 *Thinner 1* is a mild solvent system compatible with most materials found on printed circuit assemblies and with chemically sensitive plastics like ABS and PVC.

WARNING: Some degree of surface etching is often desirable to ensure good adhesion to some substrates. If adhesion failures are observed, the more aggressive 435 Thinner may provide better adhesion characteristics.

As an electronic cleaner or shielding enclosure cleaner, it helps remove moisture, wax, greases, oils, and other contaminants that can cause coating defects.

Health, Safety, and Environmental Awareness

Please see the 4351 **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

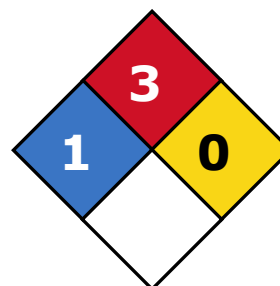
Health and Safety: This liquid is highly flammable and should be kept away from flames and other ignition sources. Avoid breathing in fumes or direct contact with the material.

Environmental Impact: The 4351 has volatile organic content of 100% (w/w) [or 800 g/L]. It is RoHS compliant.

HMIS® RATING

HEALTH:	* 1
FLAMMABILITY:	3
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:

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

Spray Gun Thinning Instructions

Make necessary adjustments according to your spray gun equipment usage instructions. Dilutions of 1.0 (paint):1.0 (thinner) is a good 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>
4351-1L	Can	945 mL 31.9 fl oz	756 g 1.66 lb	4.7 kg 10 lb ^{a)}
4351-4L	Can	3.78 L 1 gal	3.0 kg 6.66 lb	3.62 kg 7.98 lb

Contact MG Chemicals if custom packaging or sizes are required

a) Case pack of 5



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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.

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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

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. *M.G. Chemicals Ltd.* does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.