

Description

The 8309 *Conformal Coating Stripper* is available in both liquid and pen format. It removes most reworkable conformal coatings and readily removes thermoplastic (non-cross linked) acrylics, urethanes, and silicones based conformal coatings. It also facilitates the removal of some thermoset coatings like cross-linked silicones and polyurethanes by softening or swelling the coat to aid with mechanical removal.

This stripper is safe for most types of PCB components. It is fully biodegradable and environmentally safe.

Applications & Usages

The primary applications of the 8309 are for PCB maintenance and repairs. It also works well for removing conductive ink lacquers. The low viscosity allows PCBs to be easily submersed in the stripper.

Benefits and Features

- **Strips acrylics, polyurethanes, and silicones**
- **Liquid format allows for full submersion of PCBs**
- **Safe on metals**
- **Contains no SVHC's**
- **Biodegradable**
- **Available in liquid (Cat No. 8309-850 and 8309-3.78L) and pen (Cat No. 8309-P) format**

ENVIRONMENT

- ✓ RoHS
- ✓ CARB Category and Limits:
Paint Remover 50%

Usage Parameters

<i>Properties</i>	<i>Value</i>
Shelf Life	5 y
Storage Temperature Limits	-10 to 40 °C [14 to 104 °F]

Principal Components

Name	CAS Number
acetone	67-64-1
1,3-dioxolane	646-06-0
dimethoxymethane	109-87-5

Properties

<i>Physical Properties</i>	<i>Method</i>	<i>Value</i>
Color Odor Density @25 °C [77 °F] Viscosity Boiling Point Flash Point	Visual Closed cup value	Colorless Ketone-like 0.89 g/mL <20.5 mm ² /s 42 °C [107 °F] -30 °C [-22 °F]

Compatibility

Although this stripper is safe for most materials found on printed circuit boards, always carry out a suitability test on similar substrates prior to use. Protect areas not being stripped and avoid excessive exposure time.

Storage

Store in an area above freezing temperature but below 30 °C [86 °F]. Ensure that storage area is dry and away from sunlight. Store in a well-ventilated area and keep cool. Do not store next to strong oxidizers, acids, or bases.

Health and Safety

Please see the 8309-Liquid or 8309-Pen **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

Application Instructions

Follow the procedure below for best results.

Material & Equipment

- Wiping cloth
- Non-abrasive brush
- Solvent-based PCB Cleaner (824 Isopropyl Alcohol)
- Gloves and eye protection

To remove coating using liquid format

1. Immerse the PCB ensuring the coated areas are fully submersed in the stripper.
2. Let sit about 1–2 hours or until the coat has softened.
3. (Optional) Use a non-abrasive brush or tool to remove most of the stripper, and then gently wipe surface with a clean cloth dampened with an organic PCB cleaner.
4. Rinse with a PCB cleaner or isopropyl alcohol to remove the remaining stripper.
5. Repeat steps 1 to 4 if necessary.

To remove coating using pen format

1. Shake pen vigorously.
2. Hold pen at angle and depress felt tip against surface until tip gets wet, but not flooding.
3. Gently brush the wet tip onto desired area. To Keep the tip saturated and the flow controlled, only press in the tip as needed.
4. Replace cap and store tip up after use.

ATTENTION! Do NOT continuously keep the tip depressed or do not press too hard. This can jam the valve opening and cause flooding.

NOTE: The felt tip on a new pen will take a few seconds to fully saturate, so expect an initial delay before the stripper starts to flow. Moving the tip in circular motion can help loosen the felt fibers and speed up the saturation process.

Packaging and Supporting Products

<i>Cat. No.</i>	<i>Packaging</i>	<i>Net Volume</i>		<i>Net Weight</i>		<i>Packaging Weight</i>	
8309-850ML	Can	850 mL	28.7 fl oz	759 g	1.67 lb	TBD	TBD
8309-3.78L	Can	3.78 L	1 gal	3.37 kg	7.44 lb	"	"
8309-P	Pen	10 mL	0.33 fl oz	8.93 g	0.31 oz	"	"

Supporting Products

- *Isopropyl Alcohol*: Cat. No. 824
- *Cleaning Brushes (non-abrasive)*: Cat. No. 852, 853, 859, 855, 856, or 857



ISO 9001 Registered Quality System.
Burlington, Ontario, Canada QMI File # 004008

Conformal Coating Stripper 8309 Technical Data Sheet

8309

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.

Email: support@mgchemicals.com

Phone: 1-800-340-0772 (Canada, Mexico & USA)

1-905-331-1396 (International)

+(44) 1663 362888 (UK & Europe)

Fax: 1-905-331-2862 or 1-800-340-0773

Mailing address:

Manufacturing & Support
1210 Corporate Drive
Burlington, Ontario, Canada
L7L 5R6

Head Office

9347-193rd Street
Surrey, British Columbia, Canada
V4N 4E7

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.