

Description

The 8312 *Conformal Coating Stripper—Liquid* removes most reworkable conformal coatings. For example, the 8312 stripper 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 remains safe for many types of PCB components. Not to mention being fully biodegradable, it is not a long-term environmental hazard.

Applications & Usages

The primary applications of the 8312 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

- **Biodegradable**
- **Strips acrylics, polyurethanes, and silicone**
- **Low viscosity allowing full submersion of PCBs**
- **Safe on metals and most PCB components**

Usage Parameters

<i>Properties</i>	<i>Value</i>
Shelf Life	3 y

Temperature Ranges

<i>Properties</i>	<i>Value</i>
Constant Service Temperature	5 to 40 °C [41 to 104 °F]
Storage Temperature Limits ^{a)}	1 to 30 °C [34 to 86 °F]

a) Do not allow to freeze. Do not store above 30 °C.

Principal Components

Name

1-Methyl-2-pyrrolidinone
D-Limonene

CAS Number

872-50-4
5989-27-5

Properties

<i>Physical Properties</i>	<i>Method</i>	<i>Value</i>
Color Odor Density @25 °C [77 °F] Viscosity ^{a)} Boiling Point ^{b)} Flash Point ^{b)}	Visual ASTM D 1475	Clear, amber Sweet citrus 0.97 g/mL 4.4 cP ≥176 °C [≥349 °F] ≥43 °C [≥110 °F]

a) Brookfield viscometer at 100 RPM with spindle LVS61

b) Values based on d-limonene component

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. Do not store next to strong oxidizers, acids, or bases.

Health and Safety

Please see the 8312 **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

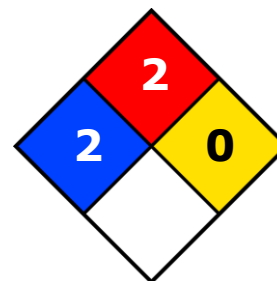
Health and Safety: The 8312 stripper is combustible and can ignite if the liquid is heated.

Wear safety glasses or goggles and disposable butyl rubber, polyvinyl chloride, neoprene, or nitrile gloves while handling liquids. Wash hands after use or if skin contact occurs. Do not ingest.

HMIS® RATING

HEALTH:	* 2
FLAMMABILITY:	2
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)



Application Instructions

Follow the procedure below for best results.

Material & Equipment

- Wiping cloth
- Non-abrasive brush
- Solvent-based PCB Cleaner (824 Isopropyl Alcohol or 4050 Safety Wash)
- Protective gloves

To remove the conformal coating

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.

Packaging and Supporting Products

<i>Cat. No.</i>	<i>Form</i>	<i>Net Volume</i>		<i>Net Weight</i>		<i>Shipping Weight</i>	
8312-850ML	Liquid	850 mL	28.7 fl oz	823 g	1.81 lb	TBD	TBD
8312-3.78L	Liquid	3.78 L	1 gal	3.66 kg	8.07 lb	"	"

Supporting Products

- *Safety Wash*: Cat. No. 4050
- *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—Liquid

8312 Technical Data Sheet

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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.

Email: support@mgchemicals.com

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

1-905-331-1396 (International)

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.

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