

Description

The 8310 conformal coating stripper removes one part conformal coatings such as acrylics, urethanes, and silicones. It is also used to soften or swell cross-linked and chemical resistant coatings—like epoxies and thermoset polyurethanes—to aid with mechanical removal.

Its primary applications are for PCB maintenance and repairs.

Benefits

- **Biodegradable**
- **Strips acrylics, polyurethanes, and silicones**
- **Ideal for spot removal of conformal coatings**
- **Safe on metals**

Storage Ranges

<i>Properties</i>	<i>Value</i>
Shelf Life	2 year
Storage Temperature ^a	1 to 30 °C [34 to 86 °F]

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

Application Ranges

<i>Properties</i>	<i>Value</i>
Coverage	35 cm ² /mL [5.4 in ² /mL]
Usage Temperature	5 to 40 °C [40 to 104 °F]

Principal Components

Name

1-methyl-2-pyrrolidinone
Dibasic Ester mixture
D-Limonene

CAS Number

25068-38-6
119-40-0, 627-93-0, 106-65-0
5989-27-5

Properties

<i>Physical Properties</i>	<i>Method</i>	<i>Value^a</i>
Color	Visual	Amber
Odor		Slight amine-like
Density (at 26 °C)		1.02 g/mL
Flash point		97 °C
pH		6 to 8
Volatile organic Content		10% (102 g/L)

Compatibility

Although this stripper is safe for metals and most other materials generally found on printed circuit boards, it may affect soft plastics. Protect areas not being stripped, and avoid excessive exposure times.

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

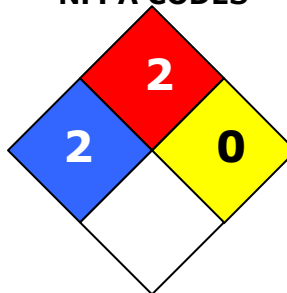
Please see the 8310 **Material Safety Data Sheet** (MSDS) parts A and B for more details on transportation, storage, handling and other security guidelines.

Part A

HMIS RATING

HEALTH:	2
FLAMMABILITY:	2
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA CODES



Health and Safety: The 8310 stripper is a combustible gel that 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.

This product has low volatility and moderate odor.



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Conformal Coating Stripper Stripping Gel 8310 Technical Data Sheet

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Application Instructions

Follow the procedure below for best results. Because it is a gel, you may rework only specific areas of the printed circuit board. If necessary, mask areas not being stripped.

Prerequisites:

- Wiping cloth
- Non-abrasive brush
- Solvent-based PCB Cleaner (Safety Wash Part # 4050-1L)

To remove the conformal coating

1. Apply a liberal amount of stripper with the 8310 cap brush.
2. Let sit about 30 minutes 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 an electronics cleaner or isopropyl alcohol to remove the remaining stripper.
5. Repeat steps 1 to 4 if necessary.

Packaging and Supporting Products

Product Availability

<i>Cat. No.</i>	<i>Form</i>	<i>Net Volume</i>		<i>Net Weight</i>		<i>Shipping Weight^a</i>	
8310-55ML	gel	55 mL	1.9 oz	0.06 kg	0.12 lb	0.65 kg	1.4 lb

a) Shipping weight for ten kits.

Supporting Products

- 4050 Safety Wash or 824 Isopropyl Alcohol
- Non-abrasive brushes (MG Cat. No. 852, 853, 859) or technical cleaning brushes (MG Cat. No. 855, 856, 857)



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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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Disclaimer

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