Conformal Coating Stripper—Gel 8310A Technical Data Sheet

Description

The 8310A *Conformal Coating Stripper—Gel* 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 8310A are for PCB maintenance and repairs. It also works well for removing conductive ink lacquers.

Benefits and Features

- **Strips acrylics, polyurethanes, and silicones**
- **Ideal for spot removal**
- **Safe on metals**
- **Contains no SVHC's**
- **Biodegradable**

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

Usage Parameters

Properties	*Value*
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

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

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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 8310A-Liquid **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

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.

Material & Equipment

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

To remove the conformal coating

1. Apply a liberal amount of stripper to the coating.
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

Cat. No.	*Packaging*	*Net Volume*		*Net Weight*		*Packaging Weight*	
8310A-55ML	Bottle	55 mL	1.86 fl oz	48.3 g	1.7 oz	TBD	TBD
8310A-850ML	Can	850 mL	1.79 pt	747 g	1.64 lb	"	"

Supporting Products

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

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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