8309 Liquid

Conformal Coating Remover

8309 is a liquid conformal coating remover which is available in liquid and pen formats. It removes most reworkable conformal coatings, such as thermoplastic (non-cross-linked) acrylics, urethanes, and silicone-based conformal coatings. It also facilitates the removal of some thermoset coatings, like cross-linked silicones, polyurethanes and epoxy, by softening or swelling the coat to aid with mechanical removal.

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

The primary application of 8309 is conformal coating removal for PCB maintenance and repair. It also works well for removing conductive ink lacquers. Its low viscosity allows PCBs to be easily submersed in the stripper.



Features & Benefits

Strips acrylics, polyurethanes, epoxies and silicones

Liquid format allows for full submersion of PCBs

Safe on metals

Contains no SVHCs

Biodegradable

Available Packaging

Part #	Packaging	Net Vol.	Net Wt.
8309-P	Pen	10 mL	8.93 g
8309-850ML	Can	850 mL	759 g
8309-3.78L	Can	3.78 L	3.37 kg

Liquid Properties

Color	Colorless	—
Odor	Ketone-like	—
Density	0.9 g/mL	ASTM D1475
Viscosity @ 25 ˚C	<20.5 cP	Brookfield Engineering Labs Inc. IPCTM-65- Method 2.4.24.4
Boiling Point	42 °C	—
Shelf Life	5 y	—

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Storage and Handling

Store between -10 and 27 ˚C in a dry area, away from sunlight (see SDS).

Application Instructions

Read the product SDS before using this product (downloadable at www.mgchemicals.com).

Recommended Preparation

Clean the substrate with MG #824 99.9% Isopropyl Alcohol, so the surface is free of oils, dust, and other residues.

Dip

1. Fully submerse PCB in the stripper.
2. Allow coating to soften.
3. Remove softened coating with a non-abrasive brush, then gently wipe with a clean cloth.
4. Rinse off remaining stripper with isopropyl alcohol (MG #824, MG #8241).

Pen

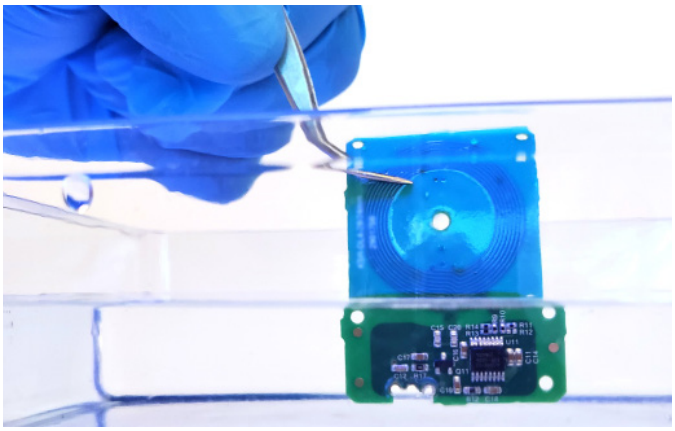
1. Shake pen vigorously.
2. Hold pen at an angle and carefully press tip against surface until tip is wet, but not flooding.
3. Gently brush on desired area, and control the flow by only pressing in tip as needed.
4. Replace cap and store tip up after use.
5. Rinse off remaining stripper with isopropyl alcohol (MG #824, MG #8241).

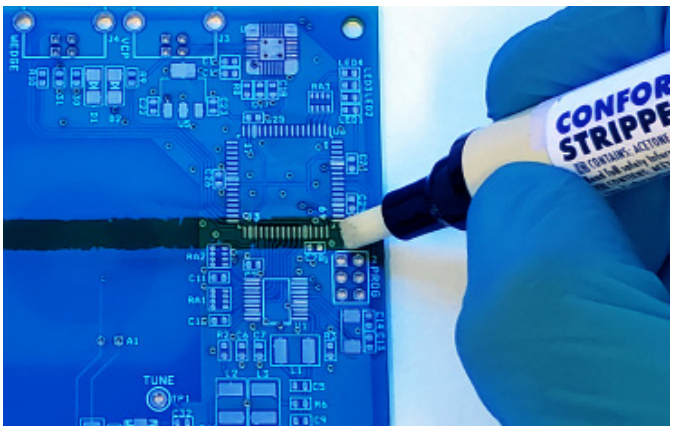
Epoxy Removal

8309 can be used to remove cured epoxy from electronic components by soaking for more than 24 hours (optimal ~48 hours), softening the epoxy for mechanical removal. Soaking should be conducted in a sealed container to minimize evaporation and only in polypropylene, polyethylene, or glass containers as this product may degrade other plastics.

8309 is generally safe on most metals; however, prolonged soaking (>24 hours) may cause corrosion on ferrous metals. Plastic substrates are at high risk of damage. Always perform a compatibility test before use.

Performance depends on epoxy type and thickness; results are based on testing with ~1 inch potting. Thicker sections may require longer soak times.





Disclaimer: This information is believed to be accurate. It is intended for professional end-users who have the skills required 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.

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