

PRODUCT Data Sheet

PCB Etchant Solution

1. Part No.:

CL-ETCH-16

2. Container Size:

16 oz. (473 ml)



3. Product Description:

CAIG Labs' PCB Etchant Solution is a great product for any one working on Printed Circuit Board projects. We have already done all the mixing for you and this solution is ready for use. If circuit boards are not your thing, it can also be used for etching either metals or ceramics.

You can etch a PCB by yourself, in a lab or even at home, through a simple and inexpensive production process. It makes sense when you wish to produce a single or a very small number of boards and want to avoid manufacturing costs.

4. Features/Benefits:

CAIG Labs' PCB Etchant Solution utilizes ferric chloride, which is the most widely used etchant for chemical etching facilities because of the relatively low cost, safety, consistency in etching performance, and versatility in etchable materials.

The etching process is therefore effective for a small workshop and great for:

Simple Boards - If all you need is a rough board for a limited application, it will certainly cost more to have a third party make it, it will likely take longer and be much more trouble than it's worth. Avoid the nonsense and make it yourself.

Total Control - Do you want to make a circuit board out of unusual or extraordinary materials.... Either your own creativity or the demands of an application... Do it yourself and the limitations disappear!

Rapid Prototyping - It takes less than an hour to print a PCB yourself, so if you're going through a lot of designs, why wait a week or two for every new prototype?

Art Projects - Board manufacturers have trouble with weird shapes and cutouts, and will charge more for such designs. Making your own PCBs opens up a whole world of unique materials, shapes and applications.

It's really fun and rewarding to make your own circuit boards: Go for it and Give it a Try!



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5. Directions for Use:

1. Place PC board in glass, plastic or rubber tray.
2. Pour in Etchant Solution to a depth of 1/4".
3. Agitate liquid back and forth to produce an etched board in about 20 minutes.
4. Etching may take longer if solution is cool.
5. Continue agitation until all unwanted copper is etched away.
6. Rinse etched board under water to stop chemical reaction.

6. Shipping and Additional Information:

Hazardous: ORMD

7. Other Information:

RoHS Compliant: YES

VOC Compliant: YES

SDS Link, CL-ETCH-16 <https://goo.gl/MJ6ohh>

CAIG Essential Guide Link: <http://store.caig.com/s.nl/it.l/id.73/f>

8. MANUFACTURER DISCLAIMER:

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