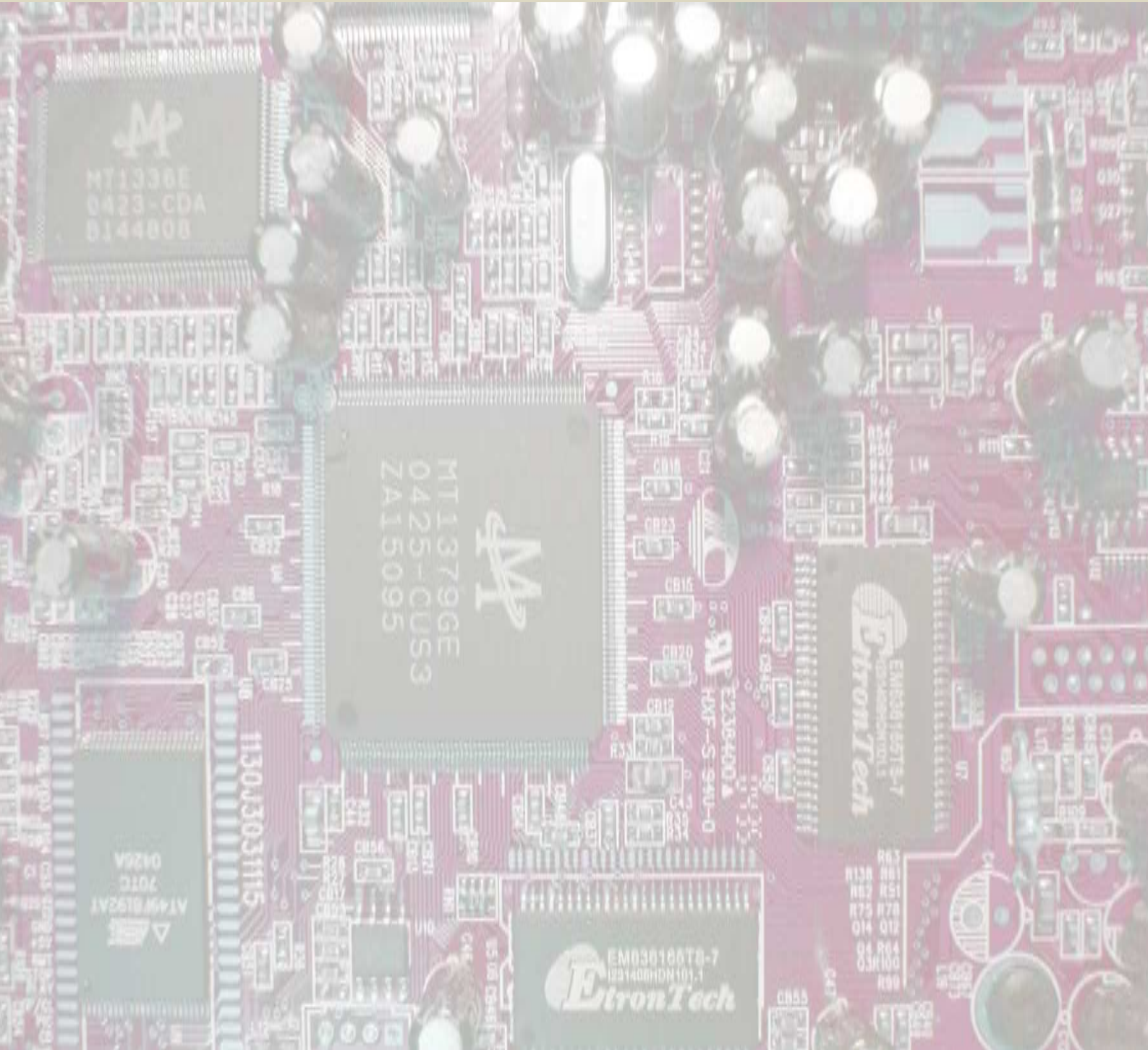


# TINPLATE

Electroless Immersion Tin Plating Agent



electrospell

Tinplate is an electroless immersion tin plating agent. It is used for coating copper surfaces, such as on printed circuit boards (PCBs), with a thin, uniform layer of tin. The plating works by simple immersion in Tinplate at room temperature. The tin coating thus produced has a matt (non-shiny) appearance and consists of pure tin microcrystals. This type of tin is preferred for soldering applications with both leaded and lead free solders. Organic brighteners present in bright tin coating agents leave carbon residues which can cause problems during soldering process. Tinplate does not contain any such ingredients and thus produces high purity tin films. Tinplate also does not contain cyanides and other harmful chemicals, making it considerably safer than other tin plating agents. It, however, does contain tin salts and sulphuric acid so appropriate care must be taken in its use.

Tinplate is very easy to use. Clean the surface to be plated with a good cleaning agent to remove any surface contaminants and oxide films. SolderClean from ElectrosPELL can be used for this purpose. After cleaning, simply immerse the board (or another article with a copper surface) in Tinplate for about 40 seconds then take it out and rinse in flowing water for 2 minutes. A nice, uniform coating of matt tin should be formed. If the coating appears non-uniform then try another immersion and rinse step. Used Tinplate can be returned to its original container for later use. Once the solution becomes depleted, it should be properly disposed of in its original container.

Tinplate comes in a 500 ml HDPE container. Larger quantities are available in alternate packaging. For more information, see the material safety data sheet (MSDS) for Tinplate or contact ElectrosPELL or its distributors.

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Disclaimer: Information provided here is on a no liability basis. It is the user's responsibility to verify that this product is suitable for any intended application.