



Gold Plating Services
Technical Data Sheet

Electro-Cleaner Solution

Bath & Brush Application

Gold Plating Services' Electro-Cleaner Solution is an alkaline-based liquid solution used to clean surfaces in preparation for activation and prior to receiving an electroplated deposit. Properly using Electro-Cleaner Solution removes residual oils and dirt from the substrate to make the surface accessible to plating solutions. The part should be cleaned with soap and water or an ultrasonic cleaner prior to electro-cleaning.

Usage Notes:

- It should not be necessary to use Electro-Cleaner longer than 2 minutes. If an item is not hydrophilic (or wet out) by 2 minutes, then a more thorough cleaning is needed before electro-cleaning.
- When bath plating, the solution will eventually become cloudy as its components break down. This is a sign the bath may need to be replaced. Some materials like copper and brass can break the components down more quickly.
- This is a consumable solution - it is not intended to be replenished.
- Top off all evaporation loss with distilled water.

Operating Conditions

Temperature -	Room - 140° F (Effectiveness increases with temperature)
Time -	30 Seconds - 2 Minutes, or until surface wets out upon rinsing
Voltage -	5-7 Volts, uniform light gassing
Filtration -	Optional
Bath Anode -	Type 316 Stainless Steel, Bagged Graphite, or Platinized Titanium (\$\$)
Brush Anode -	Type 316 Stainless Steel or Platinized Titanium bit with a cotton sleeve
Agitation -	Some relative movement between work and solution facilitates removal of gas bubbles.

A surface which has been prepared with Electro-Cleaner solution should not be touched and should be rinsed, activated, and electroplated prior to drying to prevent contamination of surface.

Read and understand SDS sheets before using. For professional use by trained technicians only.

Gold Plating Services
378 North Main #112, Layton, Utah 84041
Phone (801) 546-6200 info@goldplating.com
www.GoldPlating.com