

## **CD/3, CSC, CST & 1 F/A CLEANERS**

### **GENERAL:**

CD/3, CSC, CST and 1 F/A are intended for preparing copper laminate for optimum adhesion of photo resists prior to electroplating. These cleaners eliminate abrasive scrubbing techniques as well as costly hot solvent processes and are more efficient and less expensive to use.

1. CD/3, CSC, CST and 1 F/A offer these advantages:  
Reduce pin holes caused by residual abrasive particles trapped in holes, etc.
2. The smooth copper surface facilitates plating and soldering.
3. Whole resist/copper interface adhesion is improved, stripping is made easier by the absence of a roughened surface.

### **Application:**

1. Add 1 volume of cleaner to 4 volumes of water (cleaner will not function well without water) in polyethylene, glass or ceramic tank. MIX THOROUGHLY.
2. Immerse copper laminate for about two minutes in cleaner.
3. Remove laminate from cleaner and thoroughly spray rinse to remove all traces of dirt and cleaner. The absence of a water break indicates rinsing is adequate.
4. Dry all water from surfaces.
5. Apply photo resist.

### **HANDLING INSTRUCTIONS:**

Use cold only. CD/3, CSC, CST & 1 F/A should be used with moderate ventilation. Avoid all contact with skin or eyes. Wear eye protection and use polyethylene gloves. Wash any affected area with water. Always get professional treatment in case of any chemical contact with the eyes.

### **CONTAMINATION OF CLEANERS**

Avoid contamination of the cleaners with strippers, soaps or colloids. CD/3, CSC & CST cannot be contained in stainless steel.