



## Product Data Sheet

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PRODUCT #: N8023

# ACCUCLEAN™ NF

Acid Copper Cleaner

**DESCRIPTION:** A non-foaming, acidic cleaner formulated to remove oxide and tarnish from copper surfaces. ACCUCLEAN™ NF is sprayable at room temperature and has a very low copper etch rate. It can be used in conveyORIZED applications for cleaning copper prior to solder mask application, as an activator in automatic tab plating machines, or wherever a sprayable copper cleaner is needed. ACCUCLEAN™ NF is supplied in concentrated form.

**BENEFITS:**

- Leaves copper surface activated for adhesion of plated metals
- Low etch rate-less than 1 millionth inch per minute
- Rinses easily with warm water

**EQUIPMENT:** Equipment should be constructed of polypropylene, or PVC. Heaters should be quartz or Teflon.

**SPECIFICATIONS:**

Density:	1.07 gm/ml, 8.9 lbs./gal.
pH at 10% :	<1
Flash Point:	None
Shelf life:	Indefinite

**MAKE-UP/**

**OPERATING**

**INSTRUCTIONS:**

Concentration:	10% by volume
Tap Water:	90%
Temperature:	70° - 90°F
Time:	1-5 minutes

**Procedure:**

1. Fill tank ¾ full with Tap water.
2. Add the required amount of ACCUCLEAN™ NF and mix well.
3. Adjust to final volume with Tap water and mix well.

**CONTROL**

**PARAMETERS:**

To achieve optimum results, the bath should be maintained at the following concentration

<u>ACCUCLEAN™ NF Acid Cleaner</u>	OPTIMUM	RANGE
ACCUCLEAN™ NF Concentration	10%	7-12%

