

Gold Etchants

For Microelectronics Circuits

GOLD ETCHANT TFA

High purity, low sodium, and 0.2 micron filtration for semiconductor and microelectronics applications. Etches gold and nickel.

GOLD ETCHANT GE-8148

Selective etchant for use in conjunction with nickel films. Higher etch rate. Eliminates rapid lateral etching at the interface with seed layers.

GOLD ETCHANT TFAC

Selective etching for use with gallium arsenide and other III-V intermetallic compounds and semiconductors.

—CAUTION Contains cyanide!—

GOLD ETCHANT GE-8110

Controlled etch rate for use in conjunction with nickel films.

Frequently Asked Questions:

What metals will Gold Etchant TFA attack?

Nickel, copper. Aluminum, and GaAs.

What materials will Gold Etchant TFA NOT attack?

Chromium, titanium. oxide. and nitride.

How do I increase the etch rate?

Raise the temperature, every 10 degree celsius increase in temperature will double the etch rate.

How do I slow the etch rate?

Dilute with deionized water. Add 1 part water to 2 parts etchant while stirring to reduce the etch rate by 50%.

Why is nothing happening?

The most common causes of slower no etching are insufficient volume of etchant and insufficient stirring agitation.

GOLD ETCHANT GE-8111

Low pH, slow etch rate with nickel compatibility.

Gold Etchant AU-1 Concentrate

Fast etch rate with good photoresist compatibility available in powder form.

Gold/Silver Cleaner

Etchant pre-clean

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Goldout

Gold recovery chemistry for
removing gold from separate etchants.

Features:

- Etching readily controlled with minimum undercutting - - provides excellent definition.
- Room-Temperature operated.
- Uniform etch rates
- Economical
- Gold Etchants TFA, GE-8148, GE-8110, and GE-8111 are available in quarts, gallons, or custom sizes.
- Gold Etchant TFAC is available in 4oz or 8oz sizes (makes ½ or 1 gallon)
- Gold Etchant AU-1 concentrate is available in 250 cc (1 quart) or 950 cc (1 gallon) sizes. Custom packaging is available.