

# ProClean™

## Unexpectedly Sophisticated Cleaning from a Blend of Traditional Alcohols



ProClean™ is often selected for benchtop cleaning because it offers moderate cleaning power and easy handling at a very affordable price

- **More Powerful than Ordinary Alcohol Solvents**
- **Familiar Handling, Drying and Aroma**
- **Safer Toxicity Ratings than Ordinary Alcohol (IPA)**
- **Extremely Economical**

### General Information

ProClean™ is a mild circuit cleaner made from a unique blend of pure alcohols. Safe for components, it cleans thoroughly and easily. People-safe ProClean is a great, affordable choice.

### About the Product

A combination of three ultra-pure alcohols, ProClean is a mild, plastic-safe, low-cost defluxer. Because it

is a mixture of alcohols and they are ultra-pure — double-filtered and with less than 1% water — ProClean delivers unexpectedly strong cleaning. (Many alcohol cleaners are 30% water, which lowers costs but weakens the solvent.) ProClean also is 100% volatile, so rinsing is never required.

ProClean works well on rosin fluxes, synthetic fluxes and most “no-cleans” but may not be strong enough for lead-free materials. It easily dissolves most flux residues, solder pastes, organic residues and oils. Non-corrosive and ESD-safe, ProClean is compatible with all materials and substrates and is used on stencils, components, boards, displays, cables and connectors.

Importantly, ProClean is Trigger Grip™ compatible (see photo), which generally doubles the life of the aerosol by eliminating wasteful over-spray. ProClean also is available in a presaturated wipe, containing 100 sheets of lint-free polyester fabric. The hermetically-sealed tub has an industry-leading shelf life, and the self-closing lid keeps the wipes damp during use. Money-saving refills lower replacement costs 25% or more.

Made from renewable resources, ProClean is biodegradable, ozone-safe and a modern choice for today's advanced circuit boards.



### Technical Details

Chemical Family	Traditional Alcohols
Appearance	Clear Colorless Liquid
Aroma	Characteristic Alcohol
Boiling Point	77°C / 173° F
Military Approvals	MIL-STD-2000, WS-6536, MIL-P-28809, MIL-S-45743, MIL-P-46843

### Solvency & Cleaning Data

Cleaning Strength (K <sub>b</sub> )	45 (est)
Specific Gravity (@ 25°C)	0.79
Surface Tension (dynes/cm)	23
Percent Volatile	100%
Vapor Density (Air=1)	1.82
Evaporation Rate (Ether = 1)	<1
Water Content	<400 ppm

### Health, Safety & Environmental Data

Toxicity Rating (ppm, 8-Hr. TWA, PEL)	See MSDS
Flashpoint (TCC)	12°C / 53°F
Safety Rating	Flammable
NFPA	Health: 1; Fire: 3; Reactivity: 1
Ozone Impact	Zero
Organic Content (g/L)	785
RoHS and WEEE Compliant	Yes
SNAP Approved	Not applicable

### Packaging

Aerosol	12 oz./340 g	MCC-PRO
Aerosol with Brush	12 oz./340 g	MCC-PRO126
Presat. Wipes	30 oz./ 840 g	MCC-PROW
Presat. Wipe Refill	30 oz./ 840 g	MCC-PROWR
Minicube	6 lbs./2.72 k	MCC-PROG
Cubitainer	32 lbs./14.51 k	MCC-PROP
Drum	355 lbs./161.4 k	MCC-PROD

The aerosol cans are packaged in cases of twelve (12) cans per box. The presat wipes are packaged in cases of twelve (12) tubs per box. The presat refills also are 12 units/box, but include one brand-new empty presat tub. The presat wipes have a one-year shelf life; all other packages have an unlimited shelf life.

### Related Products

ProClean is not suited for use in heated cleaning systems. For vapor degreaser applications, **Flux Remover C** is the best choice. For heated dip tanks, MicroCare's **Reflow Oven Cleaner** or the popular **BGA Stencil Cleaner** are excellent options.

### Product Notes

**AVAILABILITY.** This product is available from MicroCare distributors world-wide. Contact your local distributor at [www.MicroCare.com](http://www.MicroCare.com) for details.

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