



4 EASY STEPS - Cleaning Printed Circuit Boards

CLEANING PRINTED CIRCUIT BOARDS AT THE LOWEST POSSIBLE COST IS EASIER THAN EVER.

PCBs need to be clean to perform as expected. MicroCare has both the products and the know-how to get your circuit boards perfectly clean in a fast, consistent, safe and cost-effective way.

ALL Flux Removers are **TriggerGrip™** compatible.



THE COST OF UNCLEAN COMPONENTS

- Rejects
- Scrapped boards and wasted product
- Production downtime for rework
- Returns and warranty claims



THE HAZARDS OF DIRTY CIRCUIT BOARDS

- Poor soldering connections
- Dendrite growth
- Noise to the PCB
- Board Failure



4 STEPS TO CLEANING PCBs - WET, SCRUB, RINSE, DRY

1

Wet

WET RESIDUES WITH SOLVENT



2

Scrub

SCRUB WITH A BRUSH



3

Rinse

RINSE AWAY WITH SOLVENT



4

Dry

DRY WITH A WIPE OR AIR



TriggerGrip™ Facts

50%

CUTS SOLVENT USAGE, BECAUSE OPERATORS CAN TARGET DIRTY AREAS ON THE PCB

100%

ALL THE FLUID IS USED BECAUSE EVERY CAN EMPTIES COMPLETELY

0

THERE IS NOT OVERSPRAY — UNLIKE TRADITIONAL AEROSOL CANS

<20ppm

FUMES ARE REDUCED TO HELP IMPROVE WORKER SAFETY

5-9%

IMPROVED PRODUCTIVITY OVER OTHER MANUAL CLEANING METHODS





Compare our best selling electronics cleaners on two important characteristics: **SAFETY & CLEANING STRENGTH**

NONFLAMMABLE Flux Removers

► **FOR BETTER SAFETY**



FLUX REMOVER	Best On	Cleaning Strength (Kb)	Plastic Safe	TriggerGrip™ Compatible	Odor	Drying Speed	VOC Content
General Purpose Flux Remover C MCC-FRC	No Clean / Rosin / Water Soluble	25 (Medium)	Test	✓	Low	Fast	590 g/L
Universal MCC-UFR10A	Rosin	34 (Medium)	Test	✓	Slight	Fast	59 g/L
SuprClean™ Heavy Duty MCC-SPR	Rosin	110 (Very Strong)	Not Likely	✓	Low	Fast	1,080 g/L
PowerClean™ Lead-Free MCC-PW210A	Lead-Free	115 (Very Strong)	Not Likely	✓	Low	Fast	1,080 g/L

FLAMMABLE Flux Removers

► **FOR LOWER COST**



FLUX REMOVER	Best On	Cleaning Strength (Kb)	Plastic Safe	TriggerGrip™ Compatible	Odor	Drying Speed	VOC Content
VeriClean™ No Clean MCC-DC1	No Clean	18 (Mild)	Yes	✓	Slight	Fast	87 g/L
IsoClean™ IPA-Based MCC-BAC	No Clean / Rosin / Water Soluble	20 (Mild)	Yes	✓	Alcohol	Medium	785 g/L
ProClean™ Alcohol-Enhanced MCC-PRO	No Clean / Rosin / Water Soluble	45 (Medium)	Yes	✓	Alcohol	Slow	785 g/L
UltraClean™ VOC-Free MCC-VOC10A	No Clean / Lead Free	56 (Strong)	Test	✓	Low	Medium	0 g/L
Slow Drying Citrus-Based MCC-EC7M	No Clean / Rosin / Water Soluble	67 (Strong)	Not Likely	✓	Citrus	Slow	840 g/L
Polar MCC-PFR10A	No Clean / Resin	72 (Strong)	Test	✓	Acetone	Slow	600 g/L

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