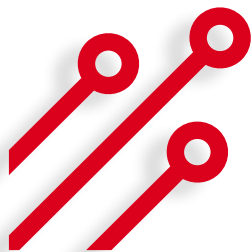




Discover Perfectly Clean



**USA**

# Electronics Assembly

*Products for Faster, Safer and  
More Consistent Cleaning*



**WE MAKE CRITICAL CLEANING EASIER!**

MicroCare is the industry leader with more than 35 years of experience in fast, efficient, safe and cost-effective cleaning of electronic components and PCBs (printed circuit boards). Our quality, innovation and service has earned the trust of companies around the globe. Find more details on the following pages or visit: [MicroCare.com](http://MicroCare.com)



Discover Perfectly Clean

**MicroCare for Electronics Assembly:**

- ▶ Reduce manufacturing costs
- ▶ Improve safety and compliance
- ▶ Maximize production efficiencies
- ▶ Minimize defects and waste



Trust the reliable MicroCare Critical Cleaning Lab chemists and field engineers. Through on-site consultation and in-lab cleaning trials, we help you choose the best cleaning fluid for perfectly cleaned parts.

For more information and to download SDS or technical data sheets, visit our website [MicroCare.com](http://MicroCare.com)



MicroCare, ExPoxy, IsoClean, MicroWipe, MultiClean, OPTIXX, PowerClean, ProClean, ScreenClean, ShockShield, SpecClean, StatZAP, SuprClean, TidyPen2, TriggerGrip, UltraClean, VeriClean, CleanWipes, the MicroCare logo, the Optitix logo and the TidyPen2 logo are trademarks or registered trademarks of MicroCare, LLC.

**TABLE OF CONTENTS**

<b>PCB Cleaner Selection Guide</b>	<b>3</b>
<b>Flux Removers</b>	<b>4-9</b>
<b>TriggerGrip™ Cleaning System</b>	<b>10-11</b>
<b>Presaturated Wipes &amp; Refills</b>	<b>12-13</b>
<b>Maintenance Cleaners</b>	<b>14-15</b>
<b>Stencil / Equipment Cleaning &amp; Lint-Free Wipes</b>	<b>16-17</b>
<b>Contact Cleaner &amp; Circuit Chillers</b>	<b>18</b>
<b>Dust Removers</b>	<b>19</b>



# Selection Guide: FLUX REMOVERS

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	TRIGGER-GRIP™ COMPATIBLE	ODOR	DRYING SPEED	VOC CONTENT
<b>General Purpose Flux Remover C</b> MCC-FRC (pg. 4)	No-Clean / Rosin / Water Soluble	25 (Medium)	Test	√	Low	Fast	590 g/L
<b>Universal</b> MCC-UFR10A (pg. 6)	Rosin	34 (Medium)	Test	√	Slight	Fast	59 g/L
<b>SuprClean™ Heavy Duty</b> MCC-SPR (pg. 8)	Rosin	110 (Very Strong)	Not Likely	√	Low	Fast	1,080 g/L
<b>PowerClean™ Lead-Free</b> MCC-PW210A (pg. 8)	Lead-Free	115 (Very Strong)	Not Likely	√	Low	Fast	747 g/L



### FLAMMABLE Flux Removers

FOR LOWER COST

FLUX REMOVER	BEST ON	CLEANING STRENGTH (KB)	PLASTIC SAFE	TRIGGER-GRIP™ COMPATIBLE	ODOR	DRYING SPEED	VOC CONTENT
<b>VeriClean™ No-Clean</b> MCC-DC1 (pg. 5)	No-Clean	18 (Mild)	Yes	√	Slight	Fast	87 g/L
<b>IsoClean™ IPA-Based</b> MCC-BAC (pg. 5)	No-Clean / Rosin / Water Soluble	20 (Mild)	Yes	√	Alcohol	Medium	785 g/L
<b>ProClean™ Alcohol-Enhanced</b> MCC-PRO (pg. 7)	No-Clean / Rosin / Water Soluble	45 (Medium)	Yes	√	Alcohol	Slow	785 g/L
<b>UltraClean™ VOC-Free</b> MCC-VOC10A (pg. 7)	No-Clean / Lead-Free	56 (Strong)	Test	√	Low	Medium	0 g/L
<b>Slow Drying Citrus-Based</b> MCC-EC7M (pg. 9)	No-Clean / Rosin / Water Soluble	67 (Strong)	Not Likely	√	Citrus	Slow	840 g/L
<b>Polar</b> MCC-PFR10A (pg. 7)	No-Clean / Rosin	72 (Strong)	Test	√	Acetone	Slow	184 g/L



ALL FLUX REMOVERS  
are *TriggerGrip™*  
compatible.

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.

Heavy Duty Flux Remover  
*SuprClean™* see page 8

### Lint-Free Wipes

Variety of Sizes, Packaging &  
Weights for Every Application.  
see page 16

*TriggerGrip™* Cleaning System  
see pages 10 & 11

## General Purpose Flux Remover - Flux Remover C

### SUPERIOR RESULTS ON NO-CLEAN AND ROSIN FLUXES

- ▶ Recommended as a general-purpose PCB cleaner
- ▶ Nonflammable for better safety
- ▶ Medium strength, fast-drying, low odor
- ▶ *TriggerGrip™* cleaning system compatible

#### Technical Details

Chemical Family: HFC Blend | Cleaning Strength (Kb): 25 | Nonflammable  
Evaporation: Fast | VOC Content (g/L): 590 | RoHS/WEEE/REACH/EPA SNAP Compliant

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Aerosol	MCC-FRC	10.5 oz   214 mL	.66 lbs   300 g
Minipail	MCC-FRCG	1 Gallon   3.79 L	10 lbs   4.54 kg
Pail	MCC-FRCP	5 Gallon   18.93 L	50 lbs   22.68 kg
Drum	MCC-FRCD	55 Gallon   208.2 L	500 lbs   226.8 kg



## IPA-Based Flux Remover - IsoClean™

**IDEAL FOR WATER-BASED, ROSIN AND NO-CLEAN FLUXES**

- ▶ Use for general cleaning of stencils, PCBs, workbenches
- ▶ Economical choice
- ▶ 99.8% Isopropyl alcohol for more consistent cleaning
- ▶ Mild strength, medium-drying, mild alcohol odor
- ▶ TriggerGrip™ cleaning system compatible

### Technical Details

Chemical Family: Alcohol | Cleaning Strength (Kb Value): 20  
 Flammable | Evaporation: Medium | VOC Content (g/L): 785  
 RoHS/WEEE/REACH/EPA SNAP Compliant

Also available in:  
**Presaturated Wipes**  
 Strong & Lint-Free  
 PN# MCC-BACW  
 Page 13



PACKAGING	PART NUMBER	VOLUME	WEIGHT
<b>Aerosol</b>	MCC-BAC	12 oz   355 mL	.75 lbs   340 g
<b>Plastic Bottle</b>	MCC-BACJG	1 Gallon   3.79 L	6 lbs   2.72 kg
<b>Cube Container</b>	MCC-BACG	1 Gallon   3.79 L	6 lbs   2.72 kg
<b>Cube Container</b>	MCC-BACP	5 Gallon   18.93 L	32 lbs   14.52 kg
<b>Drum</b>	MCC-BACD	55 Gallon   208.2 L	355 lbs   161.03 kg



## No-Clean Flux Remover - VeriClean™

**THE ECONOMICAL CHOICE FOR NO-CLEAN FLUXES AND PASTES**

- ▶ Also removes hard-to-clean silicones (oils, coatings, greases, adhesives)
- ▶ Excellent toxicity rating makes it safe for workers
- ▶ Mild strength, fast drying, low odor
- ▶ TriggerGrip™ cleaning system compatible

### Technical Details

Chemical Family: Methyl Siloxanes | Cleaning Strength (Kb): 18 (Est.)  
 Flammable | Evaporation: Fast | VOC Content (g/L): 87  
 RoHS/WEEE/REACH/EPA SNAP Compliant | NSN: 6850-01-447-4799

**PRO TIP!**  
**JUMBO SIZE:**  
 15-20% saving  
 per ounce!



PACKAGING	PART NUMBER	VOLUME	WEIGHT
<b>Pen</b>	MCC-DC1PEN	.5 oz   10 mL	.02 lbs   8 g
<b>Aerosol</b>	MCC-DC1	10 oz   295 mL	.61 lbs   284 g
<b>Aerosol</b>	MCC-DC115A	15 oz   443 mL	.9 lbs   425 g
<b>Minipail</b>	MCC-DC1G	1 Gallon   3.79 L	6 lbs   2.72 kg
<b>Pail</b>	MCC-DC1P	5 Gallon   18.93 L	32 lbs   14.52 kg
<b>Drum</b>	MCC-DC1D	55 Gallon   208.2 L	330 lbs   149.69 kg



### No-Clean Flux Remover Pen



**Cleaning pen delivers quick, controlled, spot-on cleaning**  
 (see pg. 9)  
 Part Number: MCC-DC1PEN



# Universal Flux Remover

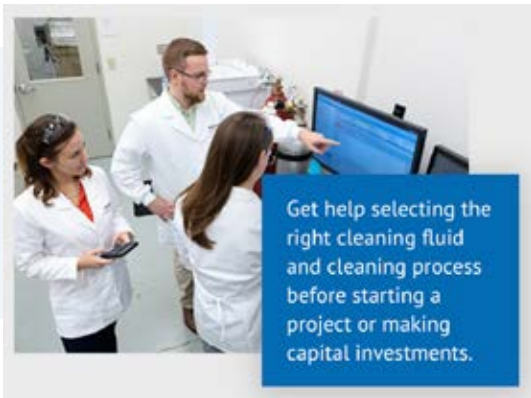
**EXCELLENT FOR NO-CLEAN AND ROSIN FLUX RESIDUE**

- Also removes oils, grease, fingerprints and silicone
- Nonflammable for better safety
- Low VOCs, low global warming
- Medium strength, fast drying
- TriggerGrip™ cleaning system compatible

**Technical Details**

Chemical Family: HFO Azeotrope | Cleaning Strength (Kb): 34 | Nonflammable  
 Evaporation: Fast | VOC Content (g/L): 59 | RoHS/WEEE/REACH/EPA SNAP Compliant

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Aerosol	MCC-UFR10A	10.5 oz   295 mL	.66 lbs   300 g



**Cleaning application scientists answer your questions**

# Polar Flux Remover

**BEST SELLER**

**IDEAL FOR REMOVING HEAVY/AGE-HARDENED ROSIN, RA & RMA FLUXES**

- Cleans heavy, aged flux
- Removes polar & ionic activators
- Fast, extra-strength cleaning
- High purity, dries residue-free
- Excellent silicone remover
- TriggerGrip™ cleaning system compatible

**Technical Details**

Chemical Family: Organic Solvents | Cleaning Strength (Kb): 72 | Flammable  
 Evaporation: Slow | VOC Content (g/L): 184 | RoHS/WEEE/REACH/EPA SNAP Compliant

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Pen	MCC-RMAPEN	.5 oz   10 mL	.02 lbs   8 g
Aerosol	MCC-PFR10A	10.5 oz   295 mL	.66 lbs   300 g



## RMA Flux Remover Pen



**Cleaning pen delivers quick, controlled, spot-on cleaning**  
 (see pg. 9)  
 Part Number: MCC-RMAPEN





# VOC-Free Flux Remover - UltraClean™

## HIGHLY-EFFECTIVE ON NO-CLEAN AND ROSIN FLUXES

- Also removes hard-to-clean silicones (oils, coatings, greases, adhesives)
- No chlorine, no halogens, no VOCs, and a very low GWP
- Economical choice
- Strong cleaning, medium drying
- Offers current and long-term regulatory compliance
- TriggerGrip™ cleaning system compatible

### Technical Details

Chemical Family: Siloxanes | Cleaning Strength (Kb): 56 | Flammable  
 Evaporation: Medium | VOC Content (g/L): 0 | RoHS/WEEE/REACH/EPA SNAP Compliant

PACKAGING	PART NUMBER	VOLUME	WEIGHT
<b>Aerosol</b>	MCC-VOC10A	10 oz   295 mL	.62 lbs   284 g
<b>Minipail</b>	MCC-VOCG	1 Gallon   3.79 L	6 lbs   2.72 kg
<b>Pail</b>	MCC-VOCP	5 Gallon   18.93 L	32 lbs   14.52 kg
<b>Drum</b>	MCC-VOCD	55 Gallon   208.2 L	330 lbs   149.69 kg



# Alcohol-Enhanced Flux Remover - ProClean™

**BEST SELLER**

## GREAT ON R, RA, RMA, OA AND SA FLUXES AND PASTES

- A blend of alcohols delivers better cleaning than straight isopropyl alcohol
- Use on solder pastes, fluxes and fresh chip bonder
- Economical choice
- Medium strength, slow-drying, alcohol odor
- TriggerGrip™ cleaning system compatible

### Technical Details

Chemical Family: Alcohol | Cleaning Strength (Kb): 45 (Est.)  
 Flammable | Evaporation: Slow | VOC Content (g/L): 785  
 RoHS/WEEE/REACH/EPA SNAP Compliant | NSN: 6850-01-361-0867

Also available in:  
**Presaturated Wipes**  
 Strong & Lint-Free  
 PN# MCC-PROW  
 Page 13



PACKAGING	PART NUMBER	VOLUME	WEIGHT
<b>Pen</b>	MCC-PROPEN	.5 oz   10 mL	.02 lbs   8 g
<b>Aerosol</b>	MCC-PRO	12 oz   355 mL	.75 lbs   340 g
<b>Aerosol</b>	MCC-PRO16A	16 oz   473 mL	1 lbs   454 g
<b>Cube Container</b>	MCC-PROG	1 Gallon   3.79 L	6 lbs   2.72 kg
<b>Cube Container</b>	MCC-PROP	5 Gallon   18.93 L	32 lbs   14.52 kg
<b>Drum</b>	MCC-PROD	55 Gallon   208.2 L	330 lbs   149.69 kg

## Water Soluble Flux Remover Pen



**Cleaning pen delivers quick, controlled, spot-on cleaning**  
 (see pg. 9)

Part Number: MCC-PROPEN



## Lead-Free Flux Remover - PowerClean™

**IDEAL FOR CLEANING LEAD-FREE FLUXES, PASTES, OILS AND INKS**

- Removes white residue commonly found with lead-free fluxes
- Nonflammable for added safety
- Very strong cleaning, fast drying, low odor
- TriggerGrip™ cleaning system compatible

### Technical Details

Chemical Family: HFC Blend | Cleaning Strength (Kb): 115 | Nonflammable | Evaporation: Fast  
 VOC Content (g/L): Aerosol 747; Bulk 1017 | RoHS/WEEE/REACH/EPA SNAP Compliant  
 NSN: 6850-01-361-0867

PACKAGING	PART NUMBER	VOLUME	WEIGHT
<b>Aerosol</b>	MCC-PW210A	10.5 oz   295 mL	.66 lbs   300 g
<b>Minipail</b>	MCC-PW2G	1 Gallon   3.79 L	6 lbs   2.72 kg
<b>Pail</b>	MCC-PW2P	5 Gallon   18.93 L	32 lbs   14.52 kg



## Heavy Duty Flux Remover - SuprClean™

**BEST  
SELLER**

**REMOVES BAKED-ON FLUXES, PASTES AND ELECTRONIC GREASES**

- Recommended for cleaning high-temp rosin, RA and RMA fluxes and acrylic conformal coatings
- Nonflammable for added safety
- Great choice for mil-spec PCBs, cables and connector cleaning
- Very strong cleaning, fast drying, low odor
- TriggerGrip™ cleaning system compatible

### Technical Details

Chemical Family: HFC Blend | Cleaning Strength (Kb): 110  
 Nonflammable | Evaporation: Fast | VOC Content (g/L): 1080  
 RoHS/WEEE/REACH/EPA SNAP Compliant

**PRO TIP!**  
**JUMBO SIZE:**  
**15-20% saving**  
**per ounce!**

PACKAGING	PART NUMBER	VOLUME	WEIGHT
<b>Aerosol</b>	MCC-SPR	12 oz   355 mL	.75 lbs   340 g
<b>Aerosol</b>	MCC-SPR19A	19 oz   561 mL	1.2 lbs   540 g
<b>Minipail</b>	MCC-SPRG	1 Gallon   3.79 L	10 lbs   4.54 kg
<b>Pail</b>	MCC-SPRP	5 Gallon   18.93 L	50 lbs   22.68 kg
<b>Drum</b>	MCC-SPRD	55 Gallon   208.2 L	500 lbs   226.8 kg



**HEAVY DUTY ROSIN FLUX REMOVER SUPRCLEAN™** has a low viscosity and low surface tension, making it perfect for reworking today's tight-fitting components, including even BGA chips. It gets under components, dissolves flux residue and rinses it away.

Aerosol Cans are compatible with:  
**TriggerGrip™ Cleaning Tool** see page 10 & 11  
**StatZAP™ ESD Eliminator Tool** see page 18







**The Industry's BEST FLUX REMOVERS in convenient cleaning pens**

**NO CLEAN FLUX REMOVER**  
Cleaning Pen



**IDEAL FOR SPOT-CLEANING NO-CLEAN FLUXES ON PCBS**

- ▶ Best on no-clean fluxes, silicone oils, coatings, grease, adhesives and inks
- ▶ Mild cleaner with a low odor and fast drying time

**WATER SOLUBLE FLUX REMOVER**  
Cleaning Pen



**MAKES TOUCH-UP CLEANING OF OA FLUXES FAST AND EASY**

- ▶ Cleans rosin, water based and no-clean fluxes and fresh chip bonder
- ▶ Medium strength cleaner with an alcohol odor and slow drying time

**RMA FLUX REMOVER**  
Cleaning Pen



**REMOVES THE TOUGHEST, HEAVY AGED & BURNED-ON SOLDER PASTES**

- ▶ Good at removing polar and ionic activators in rosin, RA and RMA fluxes
- ▶ Strong cleaner with an acetone odor and a slow drying time

DESCRIPTION	PART NUMBER	VOLUME	WEIGHT
No Clean Flux Remover Cleaning Pen	MCC-DC1PEN	.5 oz   10 mL	.02 lbs   8 g
Water Soluble Flux Remover Cleaning Pen	MCC-PROPEN	.5 oz   10 mL	.02 lbs   8 g
RMA Flux Remover Cleaning Pen	MCC-RMAPEN	.5 oz   10 mL	.02 lbs   8 g

## Slow-Drying Flux Remover - Citrus-Based

**EXCELLENT FOR REMOVING FLUXES, STENCIL PASTES, ADHESIVES AND INKS**

- ▶ Citrus-based cleaner is natural and biodegradable
- ▶ Slow drying time helps when cleaning stubborn fluxes
- ▶ Economical choice
- ▶ Strong cleaning, with an orange scent
- ▶ TriggerGrip™ cleaning system compatible

**Technical Details**

Chemical Family: Terpene Hydrocarbon | Cleaning Strength (Kb Value): 67 | Flammable | Evaporation: Slow  
 VOC Content (g/L): 840 | RoHS/WEEE/REACH/EPA SNAP Compliant | NSN: 6850-01-549-3821

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Aerosol	MCC-EC7M	10 oz   295 mL	.62 lbs   284 g
Minipail	MCC-EC7MG	1 Gallon   3.79 L	6 lbs   2.72 kg
Pail	MCC-EC7MP	5 Gallon   18.93 L	35 lbs   15.87 kg
Drum	MCC-EC7MD	55 Gallon   208.2 L	385 lbs   174.63 kg





## Circuit Board Cleaning Station Kit

### EVERYTHING YOU NEED FOR EFFECTIVE PCB CLEANING ON THE BENCHTOP

This kit replaces other improvised, ineffective cleaning methods that waste solvent and expose workers to fumes.

- ▶ TriggerGrip™ Dispensing Tool controls the fluid flow to reduce consumption by 66%
- ▶ Strong and fast-drying SuprClean™ cleaning fluid cleans boards thoroughly
- ▶ Lint-free wipes dry boards without leaving fuzz behind
- ▶ Bench mounting bracket safely keeps cleaning fluid handy and ready-to-use

#### KIT CONTAINS:

- ▶ 1 - TriggerGrip™ Dispensing Tool  
MCC-ESD
- ▶ 1 - 12 oz Can Heavy Duty Flux Remover - SuprClean™  
MCC-SPR
- ▶ 2 - 50 pack of 4" x 4" High Performance Lint-Free Wipes  
MCC-WF44
- ▶ 1 - Bench Mounting Kit  
MCC-BK3



DESCRIPTION	PART NUMBER	PACKAGING
Circuit Board Cleaning Station with Heavy Duty Flux Remover - SuprClean™	MCC-CBCSK	1 Kit/Box 10 Boxes/Case

## TriggerGrip™ Cleaning System is Easy - USE LESS, SAVE MORE



#### CONNECT

- ▶ Pop the tamper-proof seal off the top of the can
- ▶ Connect the TriggerGrip™ cleaning tool to the aerosol



#### WET & SCRUB

- ▶ Hold the PCB board at a slight angle
- ▶ Spray a small amount of the cleaning fluid
- ▶ Gently scrub residues
- ▶ Spray again if needed



#### RINSE & DRY

- ▶ Once the residue is loosened, lift the brush off the board and spray a small amount of the cleaning fluid to rinse
- ▶ Use a lint-free wipe or dust remover, if desired to dry

## TriggerGrip™ Dispensing Tool

**MAKES HIGH-QUALITY BENCHTOP CLEANING FAST, EASY AND MORE AFFORDABLE**

The unique TriggerGrip™ PCB cleaning tool fits onto most MicroCare aerosol cans. It improves benchtop cleaning results, improves worker productivity, reduces waste, protects the environment, enhances worker safety and cuts production costs.

- ▶ Fresh, pure fluid cleans and rinses away contaminants
- ▶ Scrubbing brush gets into tight spaces
- ▶ Slashes solvent use by 66% - targets dirty areas and eliminates overspray
- ▶ Minimizes cleaning fluid odor
- ▶ Empties the can completely – no waste



▶ Watch the *TriggerGrip* Tutorial at [microcare.com](http://microcare.com)



DESCRIPTION	PART NUMBER	PACKAGING
TriggerGrip™ Dispensing Tool & One Standard Natural Bristle Brush (MCC-RBNB) NSN: 4940-01-361-0859	MCC-ESD	1 Tool/Box 10 Boxes/Case

## TriggerGrip™ Replacement Brushes

- ▶ Natural bristle brushes slip easily into place
- ▶ Reduce cleaning fluid consumption
- ▶ Speed up cleaning
- ▶ Last 3-4 months in normal rework environment

Standard Brush  
MCC-RBNB



Surface Mount Brush  
MCC-SMB



Slo-Flo Brush  
MCC-RBNB2



Spray-Thru Syringe  
MCC-SR35



NSN: 3439-01-428-3240

DESCRIPTION	PART NUMBER	PACKAGING
Standard Brush	MCC-RBNB	5 Brushes/Box
Surface Mount Brush	MCC-SMB	5 Brushes/Box
Slo-Flo Brush	MCC-RBNB2	5 Brushes/Box
Spray-Thru Syringe .035 O.D.	MCC-SR35	5 Syringes/Box

## Bench Mounting Kit

- ▶ Conveniently holds the aerosol can and the TriggerGrip Dispensing Tool
- ▶ Keeps aerosol can from tipping and falling
- ▶ Organizes work bench
- ▶ ESD-safe



**Bench Mounting Kit**  
includes mounting hardware

PART NUMBER	PACKAGING
MCC-BK3	1 Kit/Box 10 Boxes/Case





**“Slam-shut” Tub won’t dry out**

**PRO TIP!** .....

### MONEY-SAVING REFILLS

- ▶ Reduce waste and save money by re-using the rugged plastic tubs
- ▶ Refill packages contain the same heavy-duty wipes and fluid as the tubs, at reduced costs



### PRESATURATED WIPE TUBS

- ▶ Convenient presaturated wipes are excellent for stencil cleaning and general surface prep
- ▶ Quickly remove solder paste and clean fingerprints, oils, grime, lint and dust from SMT stencils, plastics, metals and glass
- ▶ Each tub contains 100 strong, lint-free polyester wipes saturated with cleaning fluid
- ▶ Unique “slam-shut” top ensures wipes don’t dry out for unlimited shelf life

## MultiTask Electronic Cleaner Presaturated Wipe - MultiClean™

**BEST SELLER**

- ▶ Mild, economical surface cleaner for electronics, PCBs, tools, machinery and work benches
- ▶ Removes solder paste, fluxes, finger prints, uncured epoxy residues, light oils and grease
- ▶ 70% Isopropyl alcohol and 30% deionized water saturated wipes
- ▶ Heavy duty, ESD-safe wipe
- ▶ No rip, no lint



PACKAGING	PART NUMBER	SIZE of WIPE
Tub   100 Wipes	MCC-MLCW	8" x 5"   203 mm x 127 mm
Refill Bag   100 Wipes	MCC-MLCWR	8" x 5"   203 mm x 127 mm

## Alcohol-Enhanced Presaturated Wipe - ProClean™

- ▶ Non-corrosive, very pure blend, water-free alcohols
- ▶ Excellent on lead-free pastes
- ▶ Stronger, faster stencil cleaner
- ▶ Faster drying, no rinsing required
- ▶ Heavy duty, ESD-safe wipe
- ▶ No rip, no lint



PACKAGING	PART NUMBER	SIZE of WIPE
Tub   100 Wipes	MCC-PROW	8" x 5" 203 mm x 127 mm
Refill Bag   100 Wipes	MCC-PROWR	8" x 5" 203 mm x 127 mm

## IPA-Based Presaturated Wipe - IsoClean™

- ▶ Non-corrosive, 100% pure water-free reagent-grade Isopropyl alcohol for stronger cleaning
- ▶ Affordably-priced cleaner for fluxes, pastes and light oils
- ▶ Heavy duty, ESD-safe wipe
- ▶ No rip, no lint



PACKAGING	PART NUMBER	SIZE of WIPE
Tub   100 Wipes	MCC-BACW	8" x 5" 203 mm x 127 mm
Refill Bag   100 Wipes	MCC-BACWR	8" x 5" 203 mm x 127 mm

## Stencil, Squeegee & Misprint Cleaner Presaturated Wipe - ScreenClean™

- ▶ Engineered for removing inks
- ▶ Excellent replacement for methylene chloride, acetone and other ink removing solvents
- ▶ Plastic-safe and residue free
- ▶ Heavy duty, ESD-safe wipe
- ▶ No rip, no lint



PACKAGING	PART NUMBER	SIZE of WIPE
Tub   100 Wipes	MCC-CDIW	8" x 5" 203 mm x 127 mm

## Uncured Epoxy Cleaner Presaturated Wipe - Epoxy™

- ▶ The strongest stencil cleaner and degreaser
- ▶ Removes uncured epoxy, cured chip bonder, grease, solder paste, light oils and some inks
- ▶ Water and alcohol mix
- ▶ Heavy duty, ESD-safe wipe
- ▶ No rip, no lint



PACKAGING	PART NUMBER	SIZE of WIPE
Tub   100 Wipes	MCC-EPXW	8" x 5" 203 mm x 127 mm
Refill Bag   100 Wipes	MCC-EPXWR	8" x 5" 203 mm x 127 mm



## ESD Presaturated Cleaning Wipes

Static dissipative lint-free wipes for cleaning ESD mats, bins, benches, tool racks and more. Thoroughly cleans flux, uncured adhesives, dirt, grease and oils.

PACKAGING	PART NUMBER	SIZE of WIPE
Tub   100 Wipes	MCC-EC00W	8" x 5" 203 mm x 127 mm
Refill Bag   100 Wipes	MCC-EC00WR	8" x 5" 203 mm x 127 mm

## Heavy-Duty Transit Cleaner

- ▶ Specifically engineered for use on buses, trains, trolleys, elevators and escalator systems
- ▶ Extra-strength cleaner easily and quickly removes dirt, grease, oils, inks and organic grime from machinery and metal parts
- ▶ No residue/no rinsing
- ▶ Nonflammable and fast-drying



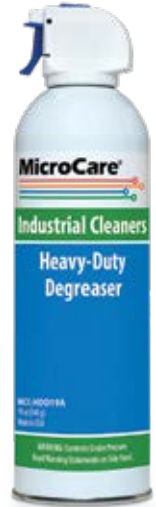
### Technical Details

Chemical Family: HFC Blend  
 Nonflammable | VOC Content (g/L): 757  
 RoHS/WEEE/REACH/EPA SNAP Compliant

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Aerosol	MCC-HDTC19A	19 oz   561 mL	1.19 lbs   540 g

## Heavy-Duty Degreaser

- ▶ Super strong, multipurpose degreaser cleans most oils, wax, grease and some conformal coatings
- ▶ Instant drying, low odor
- ▶ No residue/no rinsing
- ▶ Nonflammable, ESD-safe
- ▶ Test on plastics



### Technical Details

Chemical Family: HFC Blend  
 Nonflammable | VOC Content (g/L): 757  
 RoHS/WEEE/REACH/EPA SNAP Compliant

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Aerosol	MCC-HDD19A	19 oz   561 mL	1.19 lbs   540 g
Drum	MCC-AXLD	55 Gallon   208 L	500 lbs   226.8 kg

## 99% Isopropyl Alcohol (IPA)

- ▶ Ultra pure, economical and effective cleaner
- ▶ Medium drying speed for maximum cleaning time
- ▶ Plastic safe and ESD safe
- ▶ Familiar cleaning, handling and odor



### Technical Details

Chemical Family: Alcohol  
 Flammable | VOC Content (g/L): 785  
 RoHS/WEEE/REACH/EPA SNAP Compliant

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Plastic Jug	MCC-BACFG	1 Gallon   3.79 L	6 lbs   2.7 kg
Plastic Bottle	MCC-BACPP	5 Gallon   18.93 L	32 lbs   14.5 kg

## Axarel 2200 General Purpose Degreaser

- ▶ Medium-strength fluid engineered for manual cleaning
- ▶ Degreases metal, plastic and ceramic parts
- ▶ Can be used as a defluxer for cleaning electronics during post reflow assembly
- ▶ Removes organics including oil, grease, fingerprints, grime and rosin-based and no-clean fluxes
- ▶ Non corrosive, static safe and leaves no residues



### Technical Details

Chemical Family: Mixed Hydrocarbon  
 Flammable | Evaporation: Slow  
 RoHS/WEEE/REACH/EPA SNAP Compliant

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Minipail	MCC-AXLG	1 Gallon   3.79 L	6 lbs   2.7 kg
Pail	MCC-AXLP	5 Gallon   18.93 L	32 lbs   14.5 kg
Drum	MCC-AXLD	55 Gallon   208 L	365 lbs   165 kg



# TIDYPEN<sup>2</sup>

The 60-second sticky stuff remover



**NEW & IMPROVED** formulation

Removes anything sticky including adhesives, labels, grease, oils, solder flux and tape residue.

- Engineered to be ESD safe, suitable for industrial uses on and around electronics
- Dries without residue or ghosting
- Quick and easy to use

The *TidyPen<sup>2</sup>* is a strong adhesive cleaning fluid packaged in a convenient, portable pen.

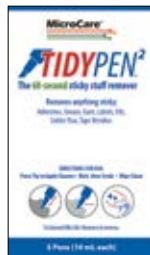
Easy to use, the *TidyPen<sup>2</sup>* dispenses fluid when pressed onto a surface ensuring the fluid is used effectively with no waste to eliminate messy applications, spills, odors and fumes.

## SIMPLE, FAST AND CONVENIENT CLEANING

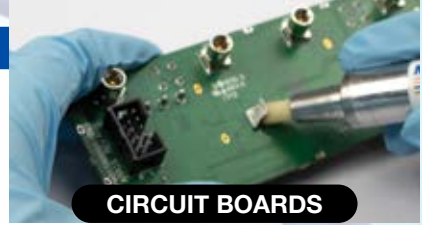
Press Tip to Apply Cleaner | Wait, then Scrub | Wipe Clean



To Extend Nib Life: Remove Nib & Reverse.



All packaging is designed to fit in a vending machine.



**CIRCUIT BOARDS**



**CABLES**



**PIPES**



**PLASTICS**



**METALS**

These aluminum pens are ESD-safe, spill-proof & easily recycled.



### Technical Details

Chemical Family: Hydrocarbon | Nonflammable | RoHS/WEEE/REACH/EPA SNAP Compliant

NOTE: Not for sale in California

PRODUCT	PART NUMBER	PACKAGING	VOLUME	WEIGHT
TidyPen™ 2	MCC-P02	1 Pen   10 Pens /Case	.5 oz   10 mL	.02 lbs   10 g
	MCC-PEN2	5 Pen Pack   10 Packs /Case	--	--
Chisel-Point Nibs	MCC-P4C	Bag of 25	--	--
Pen-Point Nibs	MCC-P40P	Bag of 25	--	--



## FP (Fine Pitch) Stencil Cleaning Rolls

**EXACT REPLACEMENT TO OEM ROLLS AT COMPETITIVE PRICES**

- Unique MicroCare™ FP fabric for fine-pitch stencil printing applications
- Durable and absorbent FP stencil wipes eliminate the need to use solvents during automated understencil wiping
- Reduces roll consumption and shortens cleaning cycle

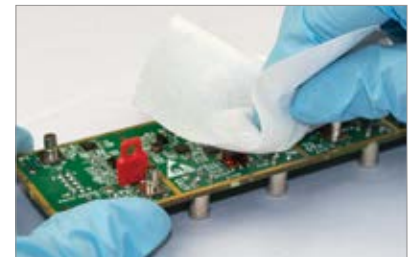
**MicroCare™ has many additional rolls and custom configurations. Call for details.**

PRODUCT	PART NUMBER	SIZE
MPM Premium FP	MCC-101DA	39 ft x 18 in   11.89 m x .4 m
DEK Premium FP	MCC-105DA	30 ft x 20.9 in   9.14 m x .5 m
Panasonic Premium FP	MCC-108DA	33 ft x 14.2 in   10 m x .3 m
EKRA Premium FP	MCC-J174DA	22 ft x 19.7 in   6.7 m x .5 m

## Lint-Free Wipes

**VARIETY OF SIZES, PACKAGING & WEIGHTS FOR EVERY APPLICATION**

- No binders ensuring maximum purity
- Enormous variety of woven, knitted and non-woven choices
- All are high strength, non-linting fabric for max performance
- High-purity packaging available for cleanroom environments
- Optical grades also available



PRODUCT	DESCRIPTION	PART NUMBER PACK QUANTITY	SIZE of WIPE
<b>BEST SELLER</b> <b>General Purpose Wipes</b> NSN: 7920-01-428-4372	<ul style="list-style-type: none"> <li>• Economical, medium absorption polyester/cellulose wipes</li> <li>• Great for use on the rework bench</li> <li>• Electronics-grade SMT lint-free wipes</li> </ul>	MCC-W66 <b>50 Wipes</b> MCC-W99 <b>300 Wipes</b>	6 in x 6 in 152 mm x 152 mm 9 in x 9 in 228 mm x 228 mm
	<ul style="list-style-type: none"> <li>• Non-woven polyester wipes - strong, absorbent, bulky and soft</li> <li>• For heavy-duty, nonabrasive applications</li> </ul>	MCC-W66CP <b>300 Wipes</b> MCC-W99CP <b>300 Wipes</b>	6 in x 6 in 152 mm x 152 mm 9 in x 9 in 228 mm x 228 mm
	<ul style="list-style-type: none"> <li>• Very soft, clean, knitted polyester</li> <li>• For general cleaning applications</li> <li>• 100% pure polyester, with no cellulose or glues</li> </ul>	MCC-W810 <b>5 lb Bag</b>	9 in x 9 in 228 mm x 228 mm
<b>Composite Wipes</b>	<ul style="list-style-type: none"> <li>• Great cleaning at low cost</li> <li>• Multi layers of cellulose between polypropylene (very soft &amp; fluffy for extra absorption)</li> <li>• Resists damage from abrasion</li> </ul>	MCC-W88 <b>100 Wipes</b>	8 in x 8 in 203 mm x 203 mm
<b>ESD Wipes</b>	<ul style="list-style-type: none"> <li>• Heavy-weight polyester wipes</li> <li>• Static-dissipative even when dry</li> </ul>	MCC-W99CY <b>150 Wipes</b>	9 in x 9 in 228 mm x 228 mm
<b>Optical Grade Wipes</b>	<ul style="list-style-type: none"> <li>• High-purity, optical-grade polyester wipes</li> <li>• Sized for more delicate cleaning - optical devices, microscopes and smaller tools</li> </ul>	MCC-WF44 <b>50 Wipes</b>	4 in x 4 in 101 mm x 101 mm
<b>Stencil Wipes</b>	<ul style="list-style-type: none"> <li>• Relatively low linting</li> <li>• Good purity polyester/cellulose wipes</li> </ul>	MCC-W11 <b>100 Wipes</b>	8.5 in x 11 in 216 mm x 279 mm
	<ul style="list-style-type: none"> <li>• A larger polyester/cellulose wipe for faster cleaning</li> <li>• Textured for better scrubbing</li> </ul>	MCC-W12 <b>50 Wipes</b>	12 in x 17 in 305 mm x 432 mm
	<ul style="list-style-type: none"> <li>• Strong synthetic polymer wipes with great lifting ability</li> <li>• 6 in x 6 in - Sized for the rework bench</li> <li>• 9 in x 9 in - Optimal size for stencil wiping</li> </ul>	MCC-W66DF <b>300 Wipes</b> MCC-W99DF <b>300 Wipes</b>	6 in x 6 in 152 mm x 152 mm 9 in x 9 in 228 mm x 228 mm

## Aqueous Stencil Cleaner

- ▶ Removes all types of solder pastes, uncured chip bonder and inks
- ▶ Safe for stencils, webbing, frames and misprinted boards
- ▶ Fast and thorough cleaning, even inside stencil apertures
- ▶ Slow-drying for economical cleaning
- ▶ Suitable for use in ultrasonic cleaning tanks
- ▶ Nonflammable and non-foaming



### Technical Details

Chemical Family: Water-Based  
 Nonflammable | VOC Content (g/L): 209  
 RoHS/WEEE/REACH/EPA SNAP Compliant

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Pump Spray	MCC-BGA	16 oz   260 mL	.75 lbs   340 g
Cube	MCC-BGAG	1 Gallon   3.79 L	7 lbs   3.18 kg
Cube	MCC-BGAP	5 Gallon   14.52 L	32 lbs   14.52 kg
Drum	MCC-BGAD	55 Gallon   208.2 L	400 lbs   181 kg

## Reflow Oven Cleaner

- ▶ Speeds cleaning of ovens even when hot
- ▶ Cleans pallets, baffles, heating elements, clamps, chains, drive gears and housings
- ▶ Can be used in dip tanks and ultrasonic cleaners
- ▶ Melts away burned-on flux residues from wave solder machines and reflow ovens
- ▶ Four times faster than isopropyl alcohol
- ▶ Nonflammable and non-foaming



### Technical Details

Chemical Family: Water-Based  
 Nonflammable | VOC Content (g/L): 50  
 RoHS/WEEE/REACH/EPA SNAP Compliant

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Pump Spray	MCC-ROC	16 oz   260 mL	.75 lbs   340 g
Cube	MCC-ROCG	1 Gallon   3.79 L	7 lbs   3.18 kg
Cube	MCC-ROCP	5 Gallon   14.52 L	30 lbs   13.61 kg
Drum	MCC-ROCD	55 Gallon   208.2 L	436 lbs   197.78 kg

## OPTIXX™ Lens & Instrument Cleaning Kit



- ▶ Use on high-precision optical lenses, mirrors, prisms, solar cells, laser hardware and scientific instruments
- ▶ Cleans dust, oil and grime, pyrotechnic soot moisture from glass, metals, plastic and coatings
- ▶ Eliminates “static cling” that attracts dust
- ▶ Non-aerosol pump ships anywhere as “non-hazardous / not regulated”

PART NUMBER	KIT CONTENT
MCC-OTXCK	Optical-Grade Cleaning Fluid   3 oz (88 mL) 100 Lint-Free Wipes   Optical-Grade Cloth

## VDX Dry Lubricant Spray

- ▶ PTFE dry lubricant spray provides a dry, slippery coating
- ▶ Reduces “stiction” and wear associated with surface-to-surface movement
- ▶ Non-migrating spray stays where it is applied
- ▶ Use on metals, plastics and ceramics
- ▶ Nonflammable and no odor



PACKAGING	PART NUMBER	VOLUME	WEIGHT
Aerosol	MCC-VDX	12 oz   354 mL	.75 lbs   340 g





# CONTACT CLEANER & CIRCUIT CHILLER

## Universal Contact Cleaner



### RESTORES ELECTRICAL CONTINUITY

- ▶ Plastic-safe contact cleaner and circuit rinse
- ▶ Rinses away dust, lint, grit, light oils
- ▶ Ideal for use on connectors, switches, electromechanical parts, circuit boards, cable harnesses, motors, keyboards and windings
- ▶ Dries in seconds with no residue
- ▶ TriggerGrip™ cleaning system compatible

#### Technical Details

Chemical Family: HFO  
 Cleaning Strength (Kb): 34  
 Nonflammable  
 Evaporation: Fast  
 VOC Content (g/L): 59  
 RoHS/WEEE/REACH/EPA SNAP Compliant



PACKAGING	PART NUMBER	PACKAGING
Aerosol	MCC-CCH10A	10.5 oz

## Circuit Chillers General Purpose & Anti-Static

### QUICKLY FIND INTERMITTENT FAULTS IN CIRCUIT BOARDS

- ▶ ESD-safe when used with the StatZap™ tool
- ▶ Leaves ice on the PCB momentarily
- ▶ Chills to lower than -45°C in seconds
- ▶ Nonflammable and ultra-pure

#### Technical Details

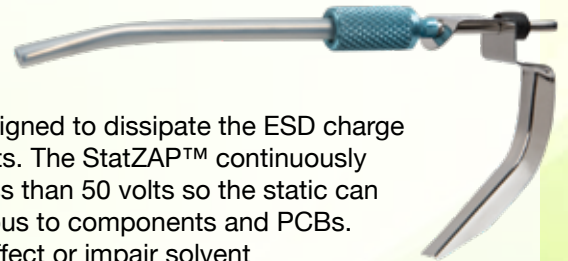
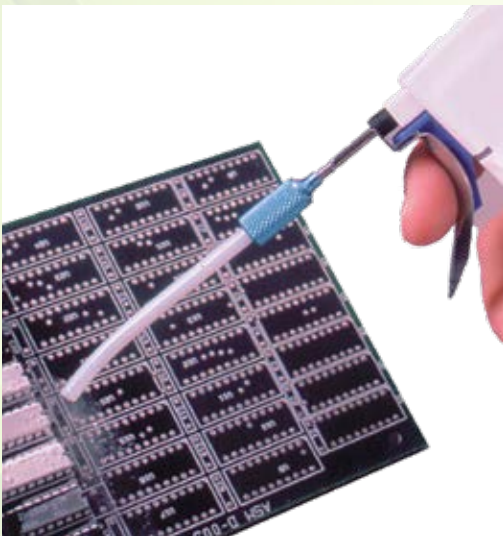
Chemical Family: HFC Blend  
 Nonflammable  
 Evaporation: Instant  
 RoHS/WEEE/ REACH/  
 EPA SNAP Compliant  
 NSN: 6850-01-409-2602



PRODUCT	PART NUMBER	PACKAGING
General Purpose	Aerosol MCC-FRZ	10 oz
Anti-Static	Aerosol MCC-FRZA	10 oz

## StatZAP™ ESD Eliminator

### ELIMINATES ESD DAMAGE



Handy dispensing tool designed to dissipate the ESD charge created by aerosol products. The StatZAP™ continuously drains static charges to less than 50 volts so the static can never reach levels dangerous to components and PCBs. The StatZAP™ does not affect or impair solvent performance.

- ▶ Eliminates ESD static and damage
- ▶ Unique ShockShield™ prevents contact with energized circuits
- ▶ Fits most MicroCare™ aerosols  
(Not for use with general purpose dust removers)

PART NUMBER	PACKAGING
MCC-ZAP	Case of 10

# GENERAL PURPOSE DUST REMOVERS



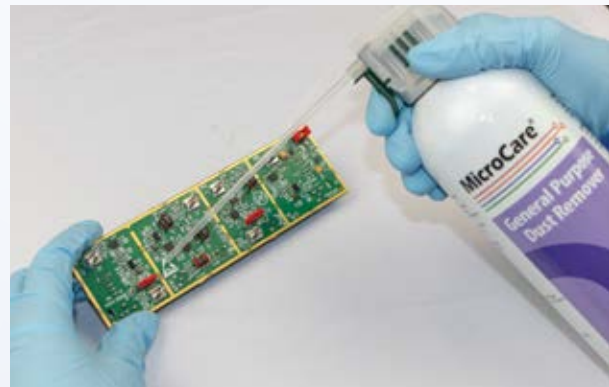
- ▶ **Nonflammable for maximum safety**
- ▶ **High-purity, leaves no residues**
- ▶ **Completely ozone-safe**



The 360° style can be sprayed at any angle to simplify cleaning.



Each aerosol delivers a powerful dry blast of a clear, non-flammable gas to blow dust, lint, fibers, powder and grit away. The surface remains dry during cleaning.



These high-pressure compressed dusters are widely used to remove dry dust and lint from PCBs, optics, machinery, circuitry and keyboards.

### Technical Details

Chemical Family: HFC or HFO | Evaporation: Instant | Nonflammable | VOC Content (g/L): 0  
RoHS/WEEE/REACH/EPA SNAP Compliant | NSN: 6850-01-483-4104

PRODUCT	PART NUMBER	PACKAGING	HIGH-PRESSURE BLAST	INVERTIBLE 360° SPRAY	StatZap* COMPATIBLE
General Purpose Dust Remover	MCC-DST	<b>Aerosol</b> 10 oz   280g	√	---	---
	MCC-DST14A	<b>Aerosol</b> 14 oz   392g	√	---	---
General Purpose Dust Remover (StatZap* COMPATIBLE)	MCC-DSTZ	<b>Aerosol</b> 10 oz   280g	---	---	√
	MCC-DSTZ14	<b>Aerosol</b> 14 oz   392g	---	---	√
General Purpose Dust Remover 360°	MCC-DST08A	<b>Aerosol</b> 8 oz   237g	---	√	---



Discover Perfectly Clean

# EXPERTISE YOU CAN TRUST



## **Cleaning application scientists answer your questions**

The MicroCare application scientists are well-versed in critical cleaning methods and fluids. On-site regional sales managers and in-house chemists offer you the know-how to solve your critical cleaning problems.



**ON-SITE  
CLEANING AUDITS**



**IN-LAB  
CLEANING TRIALS**



**DETAILED CLEANING  
RECOMMENDATIONS**



## **Sustainable products for a better future**

Let us help you establish a sustainable cleaning process with minimal volatile organic compound (VOC) and low global warming potential (GWP) cleaning fluids. Get reliable cleaning performance and meet stringent local, national and global environmental policies.



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