



## 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: **MicroCareElectronics.com**



### 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**



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

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## NONFLAMMABLE Flux Removers

► FOR BETTER SAFETY



FLUX REMOVER	Best On	Cleaning Strength (Kb)	Plastic Safe	TriggerGrip™ 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. 9)	Rosin	110 (Very Strong)	Not Likely	√	Low	Fast	1,080 g/L
<b>PowerClean™ Lead-Free</b> MCC-PW210A (pg. 9)	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
<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. 6)	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. 8)	No Clean / Rosin / Water Soluble	67 (Strong)	Not Likely	√	Citrus	Slow	840 g/L
<b>Polar</b> MCC-PFR10A (pg. 7)	No Clean / Resin	72 (Strong)	Test	√	Acetone	Slow	600 g/L



## 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.



## 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

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
<b>General Purpose Flux Remover C</b>	MCC-FRC	10.5 oz Aerosol	.66 lbs
	MCC-FRCG	1 Gallon Minipail	10 lbs
	MCC-FRCP	5 Gallon Pail	50 lbs
	MCC-FRCD	55 Gallon Drum	500 lbs



## 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!

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
No-Clean Flux Remover VeriClean™	MCC-DC1PEN	1 Pen	.5 oz
	MCC-DC1	10 oz Aerosol	.61 lbs
	MCC-DC115A	15 oz Aerosol	.9 lbs
	MCC-DC1G	1 Gallon Minipail	6 lbs
	MCC-DC1P	5 Gallon Pail	32 lbs
	MCC-DC1D	55 Gallon Drum	330 lbs



### NEW Unique Packaging



**NOW AVAILABLE IN  
 A CONVENIENT CLEANING PEN**  
 For quick Flux Removal (see pg. 8)  
 Part Number: MCC-DC1PEN



## 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

Pre-saturated Wipes  
 Strong & Lint-Free  
 PN# MCC-BACW  
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PRODUCT	PART NUMBER	PACKAGING	WEIGHT
IPA-Based Flux Remover IsoClean™	MCC-BAC	12 oz Aerosol	.75 lbs
	MCC-BACJG	1 Gallon Plastic Bottle	6 lbs
	MCC-BACG	1 Gallon Cube Container	6 lbs
	MCC-BACP	5 Gallon Cube Container	32 lbs
	MCC-BACD	55 Gallon Drum	355 lbs



## Alcohol-Enhanced Flux Remover - ProClean™

**IDEAL FOR 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

**PRO TIP!**

**JUMBO SIZE:**

**15-20% saving per ounce!**

### 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

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PRODUCT	PART NUMBER	PACKAGING	WEIGHT
Alcohol-Enhanced Flux Remover ProClean™	MCC-PROPEN	1 Pen	.5 oz
	MCC-PRO	12 oz Aerosol	.75 lbs
	MCC-PRO16A	16 oz Aerosol	.9 lbs
	MCC-PROG	1 Gallon Cube Container	6 lbs
	MCC-PROP	5 Gallon Cube Container	32 lbs
	MCC-PROD	55 Gallon Drum	355 lbs



**NEW Unique Packaging**



**NOW AVAILABLE IN**

**A CONVENIENT CLEANING PEN**

For quick Flux Removal (see pg. 8)

Part Number: MCC-PROPEN



## Universal Flux Remover

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

Also removes oils, grease, fingerprints and silicone

Nonflammable for better safety

No VOCs, low global warming

Medium strength, fast drying, no odor

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

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
Universal Flux Remover	MCC-UFR10A	10.5 oz Aerosol	.66 lbs



## Polar Flux Remover

**VERY GOOD CLEANER FOR REMOVING HEAVY OR AGE-HARDENED ROSIN, RA AND RMA FLUXES**

Good on polar and ionic activators in rosin, RA and RMA fluxes  
Best choice for PCB rework and repair, and post-flow assembly  
Longer drying time allows you to work bigger surface areas with less fluid  
Economical choice  
Strong cleaning, slow-drying, acetone odor  
TriggerGrip™ cleaning system compatible

### Technical Details

Chemical Family: Organic Solvents | Cleaning Strength (Kb): 72 | Flammable  
Evaporation: Slow | VOC Content (g/L): 600 | RoHS/WEEE/REACH/EPA SNAP Compliant

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
Polar Flux Remover	MCC-RMAPEN	1 Pen	1 oz
	MCC-PFR10A	10.5 oz Aerosol	---



### NEW Unique Packaging



#### NOW AVAILABLE IN A CONVENIENT CLEANING PEN

For quick Flux Removal (see pg. 8)

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, low odor  
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

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
VOC-Free Flux Remover UltraClean™	MCC-VOC10A	10 oz Aerosol	.61 lbs
	MCC-VOCG	1 Gallon Minipail	6 lbs
	MCC-VOCP	5 Gallon Pail	32 lbs
	MCC-VOCD	55 Gallon Drum	330 lbs



## 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

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
Slow-Drying Flux Remover Citrus Based	MCC-EC7M	10 oz Aerosol	.61 lbs
	MCC-EC7MG	1 Gallon Minipail	6 lbs
	MCC-EC7MP	5 Gallon Pail	35 lbs
	MCC-EC7MD	55 Gallon Drum	385 lbs



**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

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
No Clean Flux Remover Cleaning Pen	MCC-DC1PEN	10 mL	.5 oz
Water Soluble Flux Remover Cleaning Pen	MCC-PROPEN	10 mL	.5 oz
RMA Flux Remover Cleaning Pen	MCC-RMAPEN	10 mL	.5 oz

## 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): 1080 | RoHS/WEEE/REACH/EPA SNAP Compliant | NSN: 6850-01-361-0867

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
Lead-Free Flux Remover PowerClean™	MCC-PW210A	10.5 oz Aerosol	.66 lbs
	MCC-PW2G	1 Gallon Minipail	10 lbs
	MCC-PW2P	5 Gallon Pail	50 lbs



## Heavy Duty Flux Remover - SuprClean™

**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!

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
Heavy Duty Flux Remover SuprClean™	MCC-SPR	12 oz Aerosol	.75 lbs
	MCC-SPR19A	19 oz Aerosol	1.18 lbs
	MCC-SPRG	1 Gallon Minipail	10 lbs
	MCC-SPRP	5 Gallon Pail	50 lbs
	MCC-SPRD	55 Gallon Drum	500 lbs





## 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



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

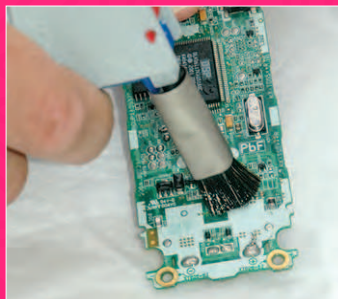


### TriggerGrip™ Cleaning System is Easy - USE LESS, SAVE MORE



#### 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.

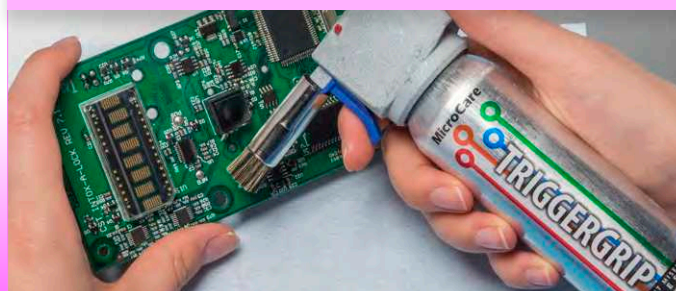
Fresh, pure fluid cleans and rinses away contaminants

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/tgt](http://microcare.com/tgt)



PRODUCT	PART NUMBER	PACKAGING
<b>TriggerGrip™ Dispensing Tool &amp; One Standard Natural Bristle Brush (MCC-RBNB)</b> 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

PRODUCT	PART NUMBER	PACKAGING
<b>Standard Brush</b>	MCC-RBNB	5 Brushes/Box
<b>Surface Mount Brush</b>	MCC-SMB	5 Brushes/Box
<b>Slo-Flo Brush</b>	MCC-RBNB2	5 Brushes/Box
<b>Spray-Thru Syringe .035 O.D.</b>	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

PRODUCT	PART NUMBER	PACKAGING
<b>Bench Mounting Kit</b>	MCC-BK3	1 Kit/Box 10 Boxes/Case



**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 Surface Cleaner Presaturated Wipe - MultiClean™

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



PRODUCT	PART NUMBER	PACKAGING
MultiTask Surface Cleaner - MultiClean™	MCC-MLCW	100 Wipes, 8" x 5"
Refill	MCC-MLCWR	100 Wipes, 8" x 5"

## 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



PRODUCT	PART NUMBER	PACKAGING
Alcohol-Enhanced - ProClean™	MCC-PROW	100 Wipes, 8" x 5"
Refill	MCC-PROWR	100 Wipes, 8" x 5"

## 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



PRODUCT	PART NUMBER	PACKAGING
IPA-Based IsoClean™	MCC-BACW	100 Wipes, 8" x 5"
Refill	MCC-BACWR	100 Wipes, 8" x 5"

## 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



PRODUCT	PART NUMBER	PACKAGING
Stencil, Squeegee & Misprint Cleaner - ScreenClean™	MCC-CDIW	100 Wipes, 8" x 5"

## Uncured Epoxy Cleaner Presaturated Wipe - Expoxy™

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



PRODUCT	PART NUMBER	PACKAGING
Uncured Epoxy Cleaner - Expoxy™	MCC-EPXW	100 Wipes, 8" x 5"
Refill	MCC-EPXWR	100 Wipes, 8" x 5"



## 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.

PRODUCT	PART NUMBER	PACKAGING
ESD Presaturated Cleaning Wipes	MCC-EC00W	100 Wipes, 8" x 5"
Refill	MCC-EC00WR	100 Wipes, 8" x 5"



## 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

PRODUCT	PART NUMBER	PACKAGING
Universal Contact Cleaner	MCC-CCH10A	10 oz Aerosol

## 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/

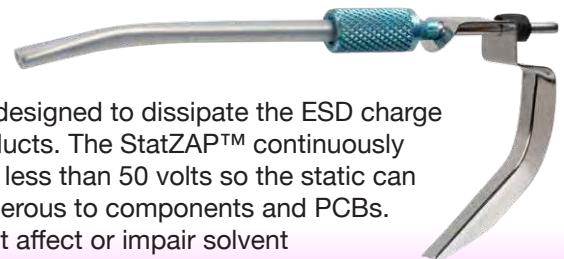
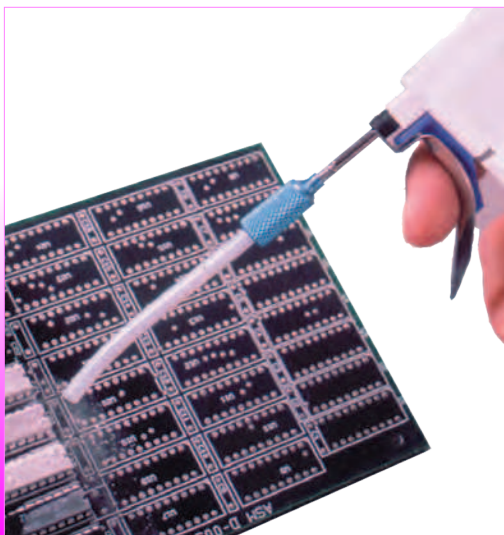
EPA SNAP Compliant

NSN: 6850-01-409-2602

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

## StatZAP™ ESD Eliminator

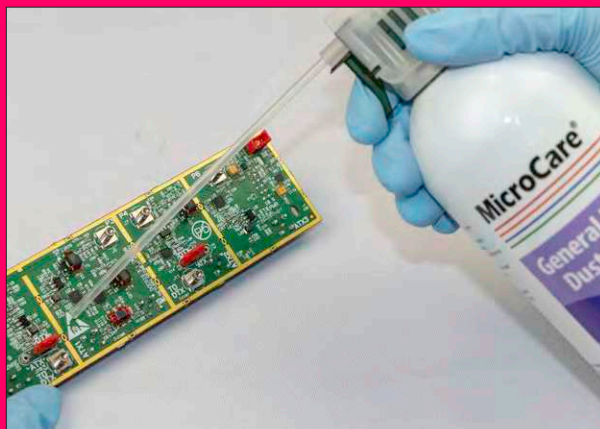
### ELIMINATES ESD DAMAGE



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)

PRODUCT	PART NUMBER	PACKAGING
StatZAP™ ESD Eliminator	MCC-ZAP	Case of 10



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



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.



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



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



#### 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	10 oz./280g Aerosol	√	---	---
	MCC-DST14A	14 oz./392g Aerosol	√	---	---
General Purpose Dust Remover (StatZap* COMPATIBLE)	MCC-DSTZ	10 oz./280g Aerosol	---	---	√
	MCC-DSTZ14	14 oz./392g Aerosol	---	---	√
General Purpose Dust Remover 360°	MCC-DST08A	8 oz./237g Aerosol	---	√	---



## 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' Long x 18" Wide
DEK Premium FP	MCC-105DA	30' Long x 20.89" Wide
Panasonic Premium FP	MCC-108DA	33' Long x 14.18" Wide
EKRA Premium FP	MCC-J174DA	22' Long x 19.68" Wide

## Lint-Free Wipes

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

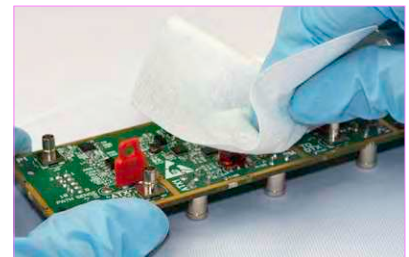
No binders ensuring maximum purity

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	SIZE & PACKAGING
<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> </ul>	MCC-W66	6" x 6" 50 Sheet/Bag
	<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	6" x 6" 300 Sheets/Bag
	<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	9" x 9" 5 lb Bag
	<ul style="list-style-type: none"> <li>• Jumbo economy package - lint-free paper wipes</li> <li>• Optimal size for stencil wiping</li> </ul>	MCC-W99	9" x 9" 300 Sheets/Bag
<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	8" x 8" 100 Sheets/Bag
<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	9" x 9" 150 Sheets/Bag
<b>Fiber Optic &amp; Phototonic Device 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	4" x 4" 50 Sheets/Bag
<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	8.5" x 11" 100 Sheets/Bag
	<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	12" x 16" 50 Sheets/Bag
	<ul style="list-style-type: none"> <li>• Strong, absorbent synthetic polymer wipes</li> <li>• Sized for the rework bench</li> </ul>	MCC-W66DF	6" x 6" 300 Sheets/Bag
	<ul style="list-style-type: none"> <li>• Stronger synthetic polymer wipes with great lifting ability</li> <li>• Optimal size for stencil wiping</li> </ul>	MCC-W99DF	9" x 9" 300 Sheets/Bag

## 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

PRODUCT	PART NUMBER	PACKAGING/WEIGHT
Aqueous Stencil Cleaner (Refillable)	MCC-BGA	12 oz Pump Spray / .75 lbs
	MCC-BGAG	1 Gallon Cube Container / 7 lbs
	MCC-BGAP	5 Gallon Cube Container / 32 lbs
	MCC-BGAD	55 Gallon Drum / 400 lbs

## 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

PRODUCT	PART NUMBER	PACKAGING/WEIGHT
Reflow Oven Cleaner (Refillable)	MCC-ROC	12 oz Pump Spray / .75 lbs
	MCC-ROCG	1 Gallon Cube Container / 7 lbs
	MCC-ROCP	5 Gallon Cube Container / 30 lbs
	MCC-ROCD	55 Gallon Drum / 436 lbs

## 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”

PRODUCT	PART NUMBER	PACKAGING
OPTIXX™ Precision Lens & Instrument Screen Cleaning Kit	MCC-OTXCK	Cleaning Kit: Cleaning Fluid & Cleaning Wipes
Cleaning Fluid	MCC-OTX03M	Cleaning Fluid (3 oz)
Wipes	MCC-OTXW (100 Wipes/Box)	Cleaning Wipes 3.5" x 4.25"

## Streak-Free Glass Cleaner

Cleans fast, without streaking  
Light-foaming action so the cleaner doesn't run or drip  
Safe on plastic dials, gauges and oscilloscopes  
Ammonia-free, so it's safe on automotive and aircraft windshields  
Clean, fresh fragrance



### Technical Details

Chemical Family: Water-Based | Nonflammable  
Evaporation: Slow | VOC Content (g/L): 59  
RoHS/WEEE/REACH/EPA SNAP Compliant

PRODUCT	PART NUMBER	PACKAGING/WEIGHT
Streak-Free Glass Cleaner	MCC-PMG19A	19 oz Aerosol / 1 lb 3 oz

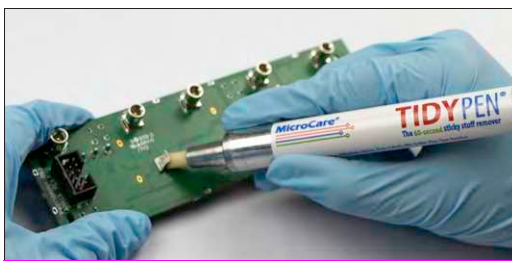


## TidyPen™ Adhesive & Label Remover

### THE 60-SECOND STICKY STUFF REMOVER

The pocket-sized TidyPen™ adhesive and label remover saves time and hassles by dispensing a precise quantity of a powerful, natural cleaner that penetrates quickly, dissolving and removing adhesives and glues. It also removes corrosion from the gold fingers of PCBs.

Each TidyPen™ is made from aluminum, so they are ESD-safe, unbreakable, spill-proof and easily recycled. The natural, citrus-based cleaning fluid is ozone-safe, static-safe, non-toxic and biodegradable.



Circuit Boards



Cables



Pipes



- ▶ Simple, fast and convenient cleaning
- ▶ Excellent for removing adhesives, tape residues, pressure sensitive marking tags, paper labels, stickers, EPROM labels and Kapton® residues
- ▶ Extremely cost-effective



Plastics



Metals

#### Technical Details

Chemical Family: Terpene Hydrocarbons | Cleaning Strength: 67 | Flammable | VOC Content (g/L): 840 | RoHS/WEEE/REACH/EPA SNAP Compliant

NOTE: Not for sale in California

PRODUCT	PART NUMBER	PACKAGING
TidyPen™ Adhesive & Label Remover single pack for pegboard displays or vending machines	MCC-PO1	1 Pen / Box 100 Boxes / Case
TidyPen™ Adhesive & Label Remover	MCC-PEN	5 Pens / Box 20 Boxes / Case
TidyPen™ Chisel-Point Nibs	MCC-P4OC	Bag of 25
TidyPen™ Pen-Point Nibs	MCC-P40P	Bag of 25

## 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

PRODUCT	PART NUMBER	PACKAGING/WEIGHT
Heavy-Duty Transit Cleaner	MCC-HDTC19A	19 oz Aerosol / 1.3 lbs

## 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

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
Heavy-Duty Degreaser	MCC-HDD19A	19 oz Aerosol	1.18 lbs
	MCC-HDDG	1 Gallon Minipail	10 lbs
	MCC-HDDP	5 Gallon Pail	50 lbs
	MCC-HDDD	55 Gallon Drum	500 lbs

## 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

PRODUCT	PART NUMBER	PACKAGING/WEIGHT
99% IPA Alcohol (Isopropyl or Isopropanol)	MCC-BACFG	1 Gallon Plastic Jug / 6 lbs
	MCC-BACPP	5 Gallon Plastic Bottle / 32 lbs
	MCC-4725	55 Gallon Drum / 355 lbs

## 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

PRODUCT	PART NUMBER	PACKAGING/WEIGHT
General Purpose Degreaser Axarel 2200	MCC-AXLG	1 Gallon Minipail / 7 lbs
	MCC-AXLP	5 Gallon Pail / 32 lbs
	MCC-AXLD	55 Gallon Drum / 365 lbs



## Innovative Cleaning Products

GET ELECTRONICS CLEANER, FASTER, SAFER

MicroCare has the largest selection of critical cleaning products and the know-how to get your electronic components and printed circuit boards perfectly clean at the lowest cost per part.

- Flux Removers
- Presaturated Wipes
- Precision Cleaning Fluids for Vapor Degreasers

**MicroCare™**

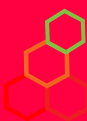
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Our team of chemists, technical engineers and regulatory specialists provide solutions for today's most challenging critical cleaning problems.



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**DETAILED CLEANING**  
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