



Discover Perfectly Clean



# ELECTRONICS ASSEMBLY

*Products for Faster, Safer and  
More Consistent Cleaning*



Discover Perfectly Clean

**WE MAKE CRITICAL CLEANING EASIER!**

MicroCare is the industry leader with more than 40 years of experience in providing you with safe, cost-effective and compliant cleaning fluids for electronic components and PCBs (printed circuit boards).

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**BULK PACKAGING**

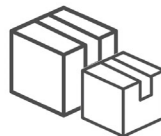
PRODUCTS ARE AVAILABLE IN A VARIETY OF SIZES TO MEET YOUR SPECIFIC NEEDS.



**DRUM**  
55 GALLON



**PAIL**  
5 GALLON  
**MINI PAIL**  
1 GALLON



**CUBE**  
5 GALLON  
**MINI CUBE**  
1 GALLON



**PLASTIC JUG**  
5 GALLON  
**MINI PLASTIC JUGS**  
1 GALLON



For the past forty years, critical cleaning is all we do. Whether it's a PCB in a defense satellite, a connection in a fiber optic network or a metal aircraft engine part, all must be critically clean to work without fail. MicroCare™ formulates, manufactures and distributes high-purity fluids to clean those parts we rely on every day.

**ELECTRONICS ASSEMBLY**

Specialty solvents and products for cleaning printed circuit boards during post-reflow production.

**FIBER OPTICS**

Non-flammable cleaning fluids and custom engineered cleaning tools for fiber optic connections.

**PRECISION CLEANING**

High-performance fluids used for cleaning, most commonly in vapor degreasers.



For more information and to download SDS or technical data sheets, visit our website **MicroCare.com**





## 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> <i>MCC-FRC (pg. 4)</i>	No-Clean / Rosin / Water Soluble	25 (Medium)	Test	✓	Low	Fast	590 g/L
<b>Universal</b> <i>MCC-UFR10A (pg. 6)</i>	Rosin	34 (Medium)	Test	✓	Slight	Fast	59 g/L
<b>SuprClean™ Heavy Duty</b> <i>MCC-SPR (pg. 8)</i>	Rosin	110 (Very Strong)	Not Likely	✓	Low	Fast	1,080 g/L
<b>PowerClean™ Lead-Free</b> <i>MCC-PW210A (pg. 8)</i>	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> <i>MCC-DC1 (pg. 5)</i>	No-Clean	18 (Mild)	Yes	✓	Slight	Fast	87 g/L
<b>IsoClean™ IPA-Based</b> <i>MCC-BAC (pg. 5)</i>	No-Clean / Rosin / Water Soluble	20 (Mild)	Yes	✓	Alcohol	Medium	785 g/L
<b>ProClean™ Alcohol-Enhanced</b> <i>MCC-PFO (pg. 7)</i>	No-Clean / Rosin / Water Soluble	45 (Medium)	Yes	✓	Alcohol	Slow	785 g/L
<b>UltraClean™ VOC-Free</b> <i>MCC-VOC10A (pg. 7)</i>	No-Clean / Lead-Free	56 (Strong)	Test	✓	Low	Medium	0 g/L
<b>Slow Drying Citrus-Based</b> <i>MCC-EC7M (pg. 9)</i>	No-Clean / Rosin / Water Soluble	67 (Strong)	Not Likely	✓	Citrus	Slow	840 g/L
<b>Polar</b> <i>MCC-PFR10A (pg. 7)</i>	No-Clean / Rosin	72 (Strong)	Test	✓	Acetone	Slow	184 g/L

ALL AEROSOL  
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 and 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

## No-Clean Flux Remover - VeriClean™

**BEST  
SELLER**

**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!**

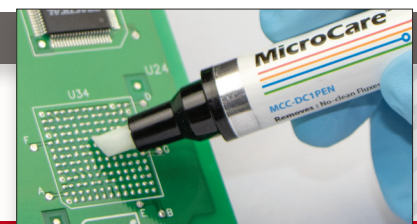
PACKAGING	PART NUMBER	VOLUME	WEIGHT
<b>Pen</b>	MCC-DC1PEN	.5 oz   10 mL	.02 lbs   8 g
<b>Aerosol</b>	MCC-DC1	10 oz   295 mL	.61 lbs   284 g
<b>Aerosol</b>	MCC-DC115A	15 oz   443 mL	.9 lbs   425 g
<b>Minipail</b>	MCC-DC1G	1 Gallon   3.79 L	6 lbs   2.72 kg
<b>Pail</b>	MCC-DC1P	5 Gallon   18.93 L	32 lbs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

Excellent 3M Novec™ Replacement

- ▶ 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 | 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



Get help selecting the right cleaning fluid and cleaning process before starting a project or making capital investments.



ON-SITE  
CLEANING AUDITS

IN-LAB  
CLEANING TRIALS

DETAILED CLEANING  
RECOMMENDATIONS



**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
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**

Excellent 3M Novec™ Replacement

- ▶ 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
Aerosol	MCC-VOC10A	10 oz   295 mL	.62 lbs   284 g
Minipail	MCC-VOCG	1 Gallon   3.79 L	6 lbs   2.72 kg
Pail	MCC-VOCP	5 Gallon   18.93 L	32 lbs   14.52 kg
Drum	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
Pen	MCC-PROPEN	.5 oz   10 mL	.02 lbs   8 g
Aerosol	MCC-PRO	12 oz   355 mL	.75 lbs   340 g
Aerosol	MCC-PRO16A	16 oz   473 mL	1 lbs   454 g
Cube Container	MCC-PROG	1 Gallon   3.79 L	6 lbs   2.72 kg
Cube Container	MCC-PROP	5 Gallon   18.93 L	32 lbs   14.52 kg
Drum	MCC-PROD	55 Gallon   208.2 L	355 lbs   161.03 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	50 lbs   22.7 kg
<b>Drum</b>	MCC-PW2D	55 Gallon   208.2 L	500 lbs   226.8 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 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	390 lbs   176.9 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 - Reusable Adapter (MCC-TGADPTD)
- ▶ 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)



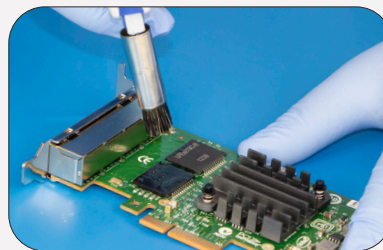
DESCRIPTION	PART NUMBER	PACKAGING
Circuit Board Cleaning Station with Heavy Duty Flux Remover - SuprClean™	MCC-CBCSK	1 Kit/Box 10 Boxes/Case

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



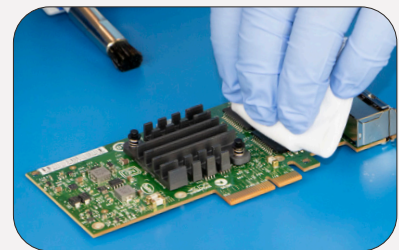
#### CONNECT

- ▶ Remove the tamper-proof seal off the top of the can
- ▶ Connect the reusable adapter
- ▶ 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



Scan QR code for full instructions

## TriggerGrip™ Dispensing Tool

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

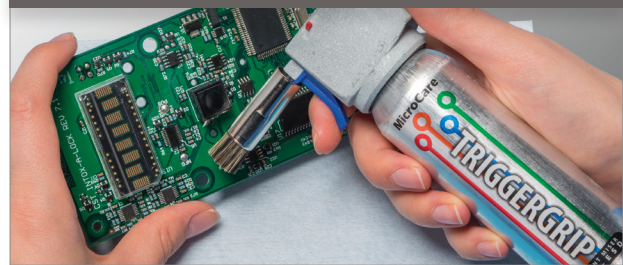
The TriggerGrip™ PCB cleaning tool includes a reusable adapter to make connecting the TriggerGrip to most MicroCare aerosol cans a snap. It improves benchtop cleaning results, improves worker productivity, reduces waste, protects the environment, enhances worker safety and cuts production costs.

- ▶ 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



Reusable TriggerGrip™ adapter for easy, secure connection.

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



DESCRIPTION	PART NUMBER	PACKAGING
<b>TriggerGrip™ Dispensing Tool, One Reusable Adapter (MCC-TGADPTD) and One Standard Natural Bristle Brush (MCC-RBNB)</b> TriggerGrip Dispensing Tool 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



NSN: 3439-01-428-3240

Spray-Thru Syringe  
MCC-SR35



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

## 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

# PRESATURATED WIPES & REFILLS



**"Slam-Shut" lid keeps wipes wet longer, for an extended service life.**

**MicroCare Presaturated IPA Wipes are available instandard weight, 175-count tubs to save you more!**

### STANDARD PRESATURATED IPA WIPE TUBS

- ▶ Standard-weight, lint free tear resistant wipes are saturated with high-purity IPA
- ▶ General purpose cleaning for manufacturing environments including material handling equipment, workbenches, cabinets, tools and most hard surfaces
- ▶ Cleans organic and ionic residue, light oils and other contaminants commonly found in manufacturing
- ▶ ESD-safe

### PRO TIP!

#### MONEY-SAVING REFILLS

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



## STANDARD Presaturated IPA Wipes

**70% HIGH PURITY ISOPROPYL ALCOHOL  
30% DEIONIZED WATER**



## STANDARD Presaturated IPA Wipes

**99.8% HIGH PURITY ISOPROPYL ALCOHOL**



PACKAGING	PART NUMBER	SIZE of WIPE
<b>Tub   175 Wipes</b>	MCC-IPA70W	8" x 5"
<b>Refill Bag   175 Wipes</b>	MCC-IPA70WR	8" x 5"

PACKAGING	PART NUMBER	SIZE of WIPE
<b>Tub   175 Wipes</b>	MCC-IPA99W	8" x 5"
<b>Refill Bag   175 Wipes</b>	MCC-IPA99WR	8" x 5"

NOT FOR SALE TO CONSUMERS IN CALIFORNIA, ONLY FOR USE IN MANUFACTURING PROCESSES.



## MICROCARE PREMIUM PRESATURATED WIPES

Choose the formula that's best for you.

- ▶ High-strength 100% PET polyester wipes are lint-free & tear resistant
- ▶ Large 8" x 5" wipes are ESD safe
- ▶ 100 wipes per tub available with money-saving refills

**BEST  
SELLER**

### MultiTask Electronic Cleaner Presaturated Wipes - MultiClean™



- ▶ Wipes are presaturated with 70% high-purity isopropyl alcohol and 30% deionized water
- ▶ Best choice for stencil cleaning and PCB assemblies; removes solder paste from squeegee blades and spatulas
- ▶ Cleans organic and ionic residues, light oils and other contaminants

PACKAGING	PART NUMBER
Tub   100 Wipes	MCC-MLCW
Refill Bag   100 Wipes	MCC-MLCWR



### Alcohol-Enhanced Presaturated Wipes - ProClean™

- ▶ Wipes are presaturated with a very pure blend of water-free alcohols
- ▶ Excellent on lead-free pastes; strong stencil cleaner
- ▶ Faster drying, no rinsing required

PACKAGING	PART NUMBER
Tub   100 Wipes	MCC-PROW
Refill Bag   100 Wipes	MCC-PROWR



### IPA-Based Presaturated Wipes - IsoClean™

- ▶ Wipes are presaturated with 100% reagent-grade isopropyl alcohol for stronger cleaning
- ▶ Affordably priced cleaner for fluxes, pastes and light oils

PACKAGING	PART NUMBER
Tub   100 Wipes	MCC-BACW
Refill Bag   100 Wipes	MCC-BACWR

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

Presaturated wipes are engineered for removing inks; excellent replacement for acetone and other ink removing solvents.



### ESD Presaturated Cleaning Wipes

Static dissipative presaturated wipes for cleaning ESD mats, bins, benches, tool racks & more - thoroughly cleans flux, uncured adhesives, dirt, grease and oils without drying out mats.

### Uncured Epoxy Cleaner Presaturated Wipes - Epoxy™

Wipes are presaturated with a water and alcohol mix to remove uncured epoxy, cured chip bonder, grease, solder paste, light oils and some inks.

PRODUCT	PACKAGING	PART NUMBER
Stencil, Squeegee & Misprint Cleaner Presaturated Wipe - ScreenClean™	Tub   100 Wipes	MCC-CDIW
ESD Presaturated Cleaning Wipe	Tub   100 Wipes	MCC-EC00W
	Refill Bag   100 Wipes	MCC-EC00WR
Uncured Epoxy Cleaner Presaturated Wipe - Epoxy™	Tub   100 Wipes	MCC-EPXW
	Refill Bag   100 Wipes	MCC-EPXWR

## 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

**Excellent 3M Novoc™ Replacement**

- ▶ 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

## 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
Drum	MCC-BACD	55 Gallon   208 L	355 lbs   161.03 kg

## 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>2.1</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>2.1</sup>* is a strong adhesive cleaning fluid packaged in a convenient, portable pen.

Easy to use, the *TidyPen<sup>2.1</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

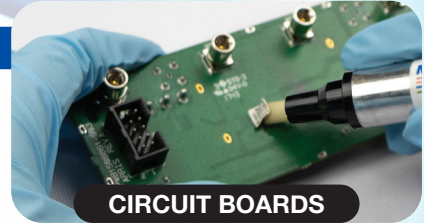
Press Tip to Apply Cleaner | Wait, then Scrub | Wipe Clean



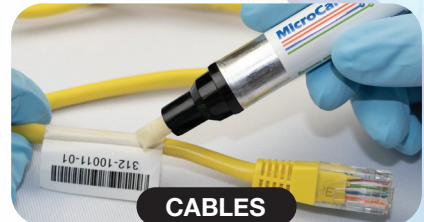
To Extend Nib Life: Remove Nib & Reverse.



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™ 2.1	MCC-P02	1 Pen   10 Pens /Case	.5 oz   10 mL	.02 lbs   10 g
Chisel-Point Nibs	MCC-P40C	Bag of 25	--	--
Pen-Point Nibs	MCC-P40P	Bag of 25	--	--



## Stencil Cleaning Rolls

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

- ▶ Unique FP (Fine Pitch) 100% hydrogenated polyester is our heaviest and softest absorbent for fine-pitch stencil printing applications
- ▶ Durable and absorbent FP stencil wipes eliminate the need to use solvents during automated under-stencil wiping and reduces roll consumption by extending the wiping cycle
- ▶ Economy E is a lighter weight, paper-based fabric with a cellulose content

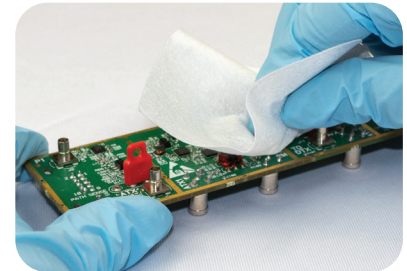
**MicroCare™ has many additional rolls and custom configurations. Call for details.**

PRINTER	FABRIC	PART NUMBER	SIZE (Approx Length x Width)
EKRA	Premium FP	MCC-J174DA	22 ft x 19.7 in   6.7 m x .5 m
ASM (DEK)	Premium FP	MCC-105DA	30 ft x 20.8 in   9.14 m x .5 m
MPM	Premium FP	MCC-101DA	39 ft x 18 in   11.89 m x .4 m
Panasonic	Premium FP	MCC-J154DA	108 ft x 13.7 in   33 m x .3 m
MPM	Economy E	MCC-101TEA	39 ft x 18 in   11.89 m x .4 m
MPM	Economy E	MCC-101TEA4	130 ft x 17.5 in   39.5 m x .44 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

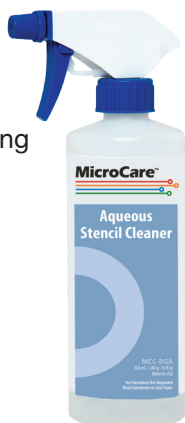


PRODUCT	DESCRIPTION	PART NUMBER PACK QUANTITY	SIZE of WIPE
<b>BEST SELLER</b> <b>General Purpose Wipes</b> NSN: 7920-01-428-4372	<ul style="list-style-type: none"> <li>• Economical, medium absorption polyester/cellulose wipes</li> <li>• Great for use on the rework bench</li> <li>• Electronics-grade SMT lint-free wipes</li> </ul>	MCC-W66 <b>50 Wipes</b> MCC-W99 <b>300 Wipes</b>	6 in x 6 in 15 cm x 15 cm 9 in x 9 in 23 cm x 23 cm
	<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 15 cm x 15 cm 9 in x 9 in 23 cm x 23 cm
<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 20 cm x 20 cm
<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 10 cm x 10 cm
<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 22 cm x 28 cm
	<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 31 cm x 43 cm
	<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>50 Wipes</b> MCC-W99DF <b>300 Wipes</b>	6 in x 6 in 15 cm x 15 cm 9 in x 9 in 23 cm x 23 cm



## 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

## MultiTask Surface Electronic Cleaner MultiClean™

- ▶ Removes solder paste, flux residues, fingerprints, uncured epoxy residues, light oils and grease, organic and ionic residue and light oils
- ▶ Suitable for cleaning a variety of surfaces and the working environment
- ▶ Cleans medical devices, electronics, stencils, work benches, tools, production machinery, and any surface that requires hygienic grade cleaning



## 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

PACKAGING	PART NUMBER	VOLUME	WEIGHT
Pump Spray	MCC-MLC16	12 oz   391 mL	.75 lbs   340 g
Plastic Jug	MCC-MLCJG	.85 Gallon   3.2 L	6 lbs   2.72 kg
Plastic Container	MCC-MLCPP	4.5 Gallon   17.1 L	32 lbs   14.52 kg



# CONTACT CLEANER & CIRCUIT CHILLER

## Universal Contact Cleaner

**BEST SELLER**

Excellent 3M Novec™ Replacement

### 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   300g

## 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



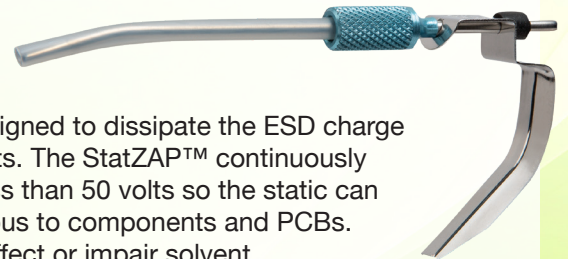
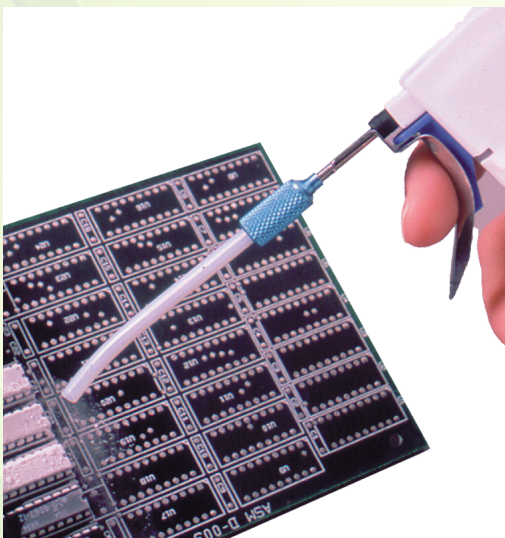
#### Technical Details

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   280g
Anti-Static	Aerosol MCC-FRZA	10 oz   280g

## 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



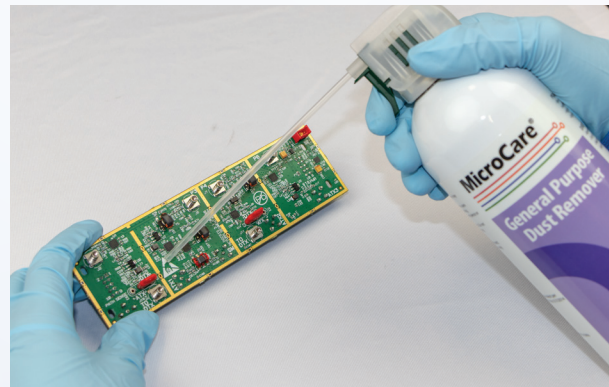
- ▶ Nonflammable for maximum safety
- ▶ High-purity, leaves no residues
- ▶ Completely ozone-safe



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

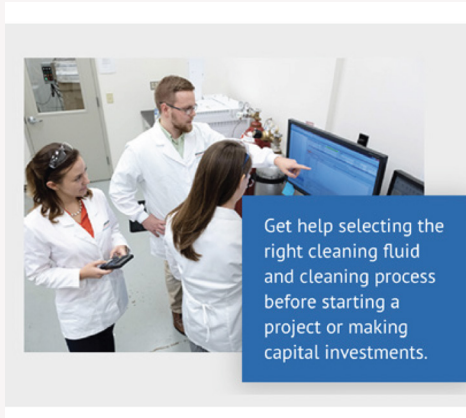
Chemical Family: HFC or HFO | Evaporation: Instant | Nonflammable | VOC Content (g/L): 0  
RoHS/WEEE/REACH/EPA SNAP Compliant | NSN: 6850-01-483-4104

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



Discover Perfectly Clean

# EXPERTISE YOU CAN TRUST



Get help selecting the right cleaning fluid and cleaning process before starting a project or making capital investments.

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



The MicroCare application scientists are well-versed in critical cleaning methods and fluids.

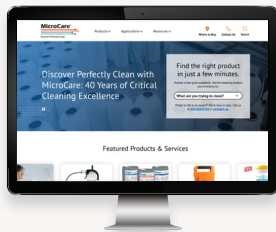
On-site regional sales managers and in-house chemists offer you the know-how to solve your critical cleaning problems.



## **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.



## **Stay informed at MicroCareElectronics.com**

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- ▶ Download SDS & Technical Data Sheets
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