



Discover Perfectly Clean



# ELECTRONICS ASSEMBLY

*Products for Faster, Safer and  
More Consistent Cleaning*

# MicroCare™

Discover Perfectly Clean

## WE MAKE CRITICAL CLEANING EASIER!

MicroCare is the industry leader with more than 35 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



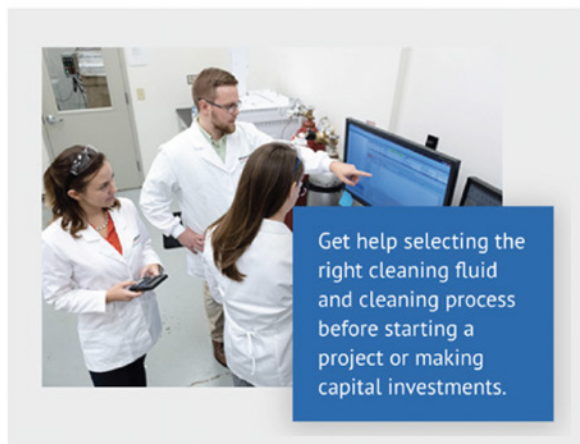
**PAIL**  
5 GALLON  
MINI PAIL  
1 GALLON



**CUBE**  
5 GALLON  
MINI CUBE  
1 GALLON



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



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

**CONTACT US FOR MORE INFO!**



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> 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 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
<b>Drum</b>	MCC-BACD	55 Gallon   208.2 L	355 lbs   161.03 kg



**BEST  
SELLER**

## 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

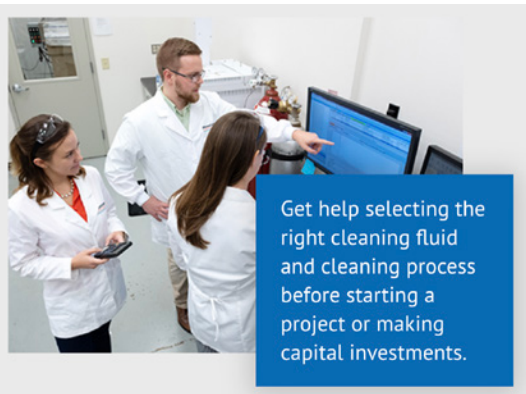
### EXCELLENT FOR NO-CLEAN AND ROSIN FLUX RESIDUE

- 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



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



**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

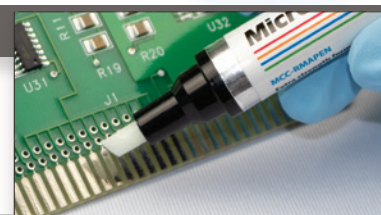
PACKAGING	PART NUMBER	VOLUME	WEIGHT
Aerosol	MCC-PFR10A	10.5 oz   295 mL	.66 lbs   300 g



### 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

- ▶ 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	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
<b>No Clean Flux Remover Cleaning Pen</b>	MCC-DC1PEN	.5 oz   10 mL	.02 lbs   8 g
<b>Water Soluble Flux Remover Cleaning Pen</b>	MCC-PROPEN	.5 oz   10 mL	.02 lbs   8 g
<b>RMA Flux Remover Cleaning Pen</b>	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
<b>Aerosol</b>	MCC-EC7M	10 oz   295 mL	.62 lbs   284 g
<b>Minipail</b>	MCC-EC7MG	1 Gallon   3.79 L	6 lbs   2.72 kg
<b>Pail</b>	MCC-EC7MP	5 Gallon   18.93 L	35 lbs   15.87 kg
<b>Drum</b>	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 - 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



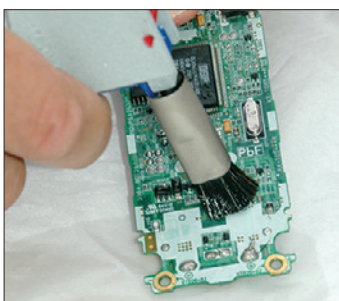
DESCRIPTION	PART NUMBER	PACKAGING
Circuit Board Cleaning Station with Heavy Duty Flux Remover - SuprClean™	MCC-CBCSK	1 Kit/Box 10 Boxes/Case

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



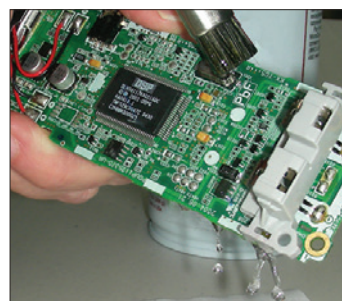
#### **CONNECT**

- ▶ 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
<b>TriggerGrip™ Dispensing Tool &amp; One Standard Natural Bristle Brush (MCC-RBNB)</b> NSN: 4940-01-361-0859	MCC-ESD	<b>1 Tool/Box 10 Boxes/Case</b>

## 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
<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	<b>1 Kit/Box 10 Boxes/Case</b>

# PRESATURATED WIPES & REFILLS



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

**MicroCare Presaturated IPA Wipes are now available in NEW standard 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



**NEW**

## **STANDARD Presaturated IPA Wipes**

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



**NEW**

## **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.



## MultiTask Electronic Cleaner Presaturated Wipes - MultiClean™

**BEST  
SELLER**

- Premium high-strength 100% PET polyester wipes are lint-free and tear resistant
- Wipes are presaturated with 70% high-purity isopropyl alcohol and 30% deionized water
- Best choices for stencil cleaning, PCB assemblies; removes solder paste from squeegee blades & spatulas
- Cleans organic and ionic residues, light oils and other contaminants
- ESD-safe; unlimited shelf life on unopened packages



PACKAGING	PART NUMBER	SIZE of WIPE
<b>Tub   100 Wipes</b>	MCC-MLCW	8" x 5"
<b>Refill Bag   100 Wipes</b>	MCC-MLCWR	8" x 5"

## Alcohol-Enhanced Presaturated Wipes - ProClean™

- Premium high-strength 100% PET polyester wipes are lint-free and tear resistant
- 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
- ESD safe



PACKAGING	PART NUMBER	SIZE of WIPE
<b>Tub   100 Wipes</b>	MCC-PROW	8" x 5"
<b>Refill Bag   100 Wipes</b>	MCC-PROWR	8" x 5"

## IPA-Based Presaturated Wipes - IsoClean™

- Premium high-strength 100% PET polyester wipes are lint-free and tear resistant
- Wipes are presaturated with 100% reagent-grade isopropyl alcohol for stronger cleaning
- Affordably priced cleaner for fluxes, pastes and light oils
- ESD safe



PACKAGING	PART NUMBER	SIZE of WIPE
<b>Tub   100 Wipes</b>	MCC-BACW	8" x 5"
<b>Refill Bag   100 Wipes</b>	MCC-BACWR	8" x 5"

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

- Premium high-strength 100% PET polyester wipes are lint-free and tear resistant
- Presaturated wipes are engineered for removing inks; excellent replacement for acetone and other ink removing solvents
- ESD safe



## ESD Presaturated Cleaning Wipes

- Premium high-strength 100% PET polyester wipes are lint-free and tear resistant
- 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 materials

PRODUCT	PACKAGING	PART NUMBER	SIZE of WIPE
Stencil, Squeegee & Misprint Cleaner Presaturated Wipe - ScreenClean™	<b>Tub   100 Wipes</b>	MCC-CDIW	8" x 5"
ESD Presaturated Cleaning Wipe	<b>Tub   100 Wipes</b>	MCC-EC00W	8" x 5"
	<b>Refill Bag   100 Wipes</b>	MCC-EC00WR	8" x 5"
Uncured Epoxy Cleaner Presaturated Wipe - Expoxy™	<b>Tub   100 Wipes</b>	MCC-EPXW	8" x 5"
	<b>Refill Bag   100 Wipes</b>	MCC-EPXWR	8" x 5"

## Uncured Epoxy Cleaner Presaturated Wipes - Expoxy™

- Premium high-strength 100% PET polyester wipes are lint-free and tear resistant
- Wipes are presaturated with a water and alcohol mix to remove uncured epoxy, cured chip bonder, grease, solder paste, light oils and some inks
- ESD safe

## 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

## 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

## 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.

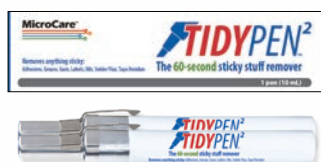
Easy to use, the *TidyPen<sup>2</sup>* dispenses fluid when pressed onto a surface ensuring the fluid is used effectively with no waste to eliminate messy applications, spills, odors and fumes.

### SIMPLE, FAST AND CONVENIENT CLEANING

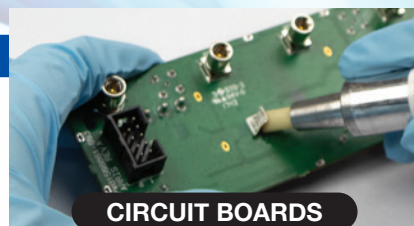
Press Tip to Apply Cleaner | Wait, then Scrub | Wipe Clean



To Extend Nib Life: Remove Nib & Reverse.



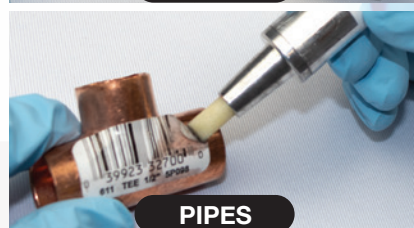
All packaging is designed to fit in a vending machine.



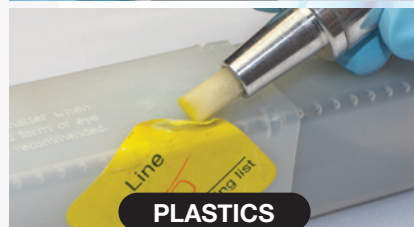
**CIRCUIT BOARDS**



**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-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

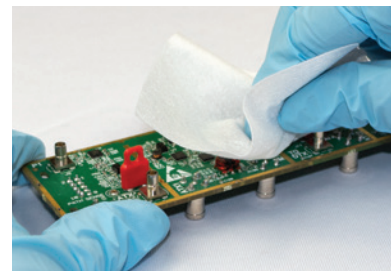
MicroCare™ has many additional rolls and custom configurations. Call for details.

PRINTER	FABRIX	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 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
<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>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

## 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
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

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



# CONTACT CLEANER & CIRCUIT CHILLER

## Universal Contact Cleaner

BEST  
SELLER

### 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

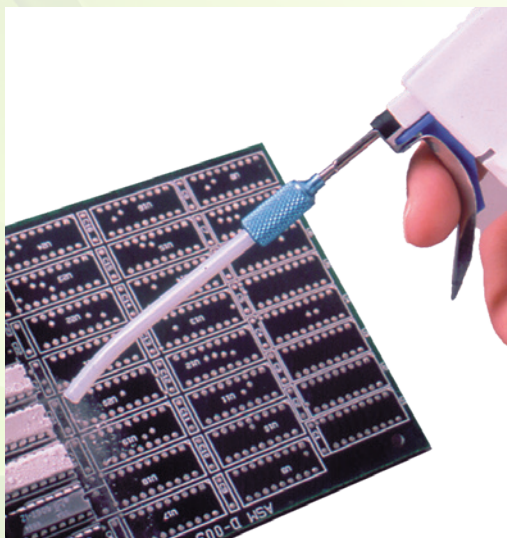
Chemical Family: HFC Blend  
Nonflammable  
Evaporation: Instant  
RoHS/WEEE/ REACH/  
EPA SNAP Compliant  
NSN: 6850-01-409-2602



PRODUCT	PART NUMBER	PACKAGING
General Purpose	Aerosol MCC-FRZ	10 oz   280g
Anti-Static	Aerosol MCC-FRZA	10 oz   280g

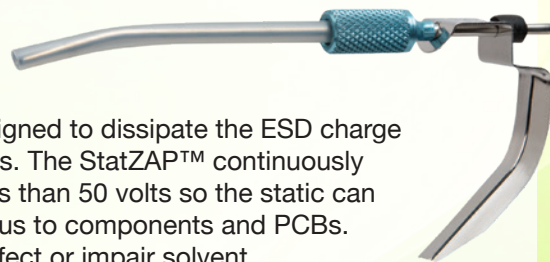
## StatZAP™ ESD Eliminator

### 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



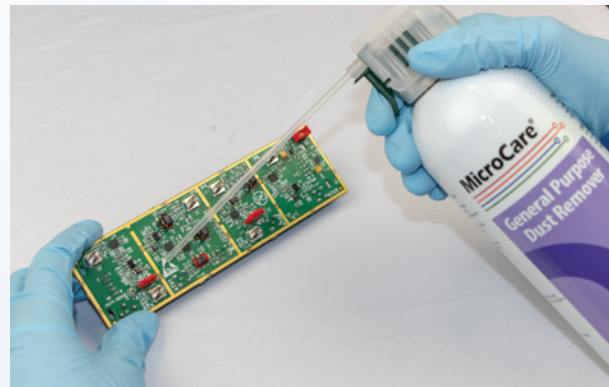
- ▶ **Nonflammable for maximum safety**
- ▶ **High-purity, leaves no residues**
- ▶ **Completely ozone-safe**



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	<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	---	√	---

# MicroCare™



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**

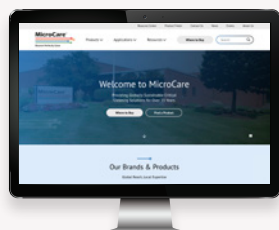


**DETAILED CLEANING  
RECOMMENDATIONS**



### **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.



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

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