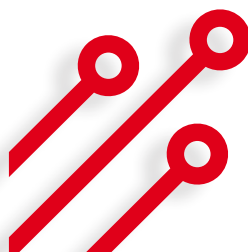




Discover Perfectly Clean



USA

Electronics Assembly

Products for Faster, Safer and More Consistent Cleaning



WE MAKE CRITICAL CLEANING EASIER!

MicroCare is the industry leader with more than 35 years of experience in fast, efficient, safe and cost-effective cleaning of electronic components and PCBs (printed circuit boards).

Our quality, innovation and service has earned the trust of companies around the globe. Find more details on the following pages or visit: MicroCareElectronics.com

MicroCare™



Discover Perfectly Clean

MicroCare for Electronics Assembly:

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



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

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



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



FLUX REMOVERS

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

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

ALL Flux Removers are *TriggerGrip* compatible.



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
General Purpose Flux Remover C	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™

**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!

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
No-Clean Flux Remover VeriClean™	MCC-DC1PEN	1 Pen (10 mL)	.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



No-Clean Flux Remover Pen



*Cleaning pen delivers quick,
controlled, spot-on cleaning*
(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

Also available in:

Presaturated Wipes
Strong & Lint-Free

PN# MCC-BACW
Page 13



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™

BEST
SELLER

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

Page 13



PRODUCT	PART NUMBER	PACKAGING	WEIGHT
Alcohol-Enhanced Flux Remover ProClean™	MCC-PROPEN	1 Pen (10 mL)	.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



Water Soluble Flux Remover Pen



Cleaning pen delivers quick,
controlled, spot-on cleaning
(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
- ▶ 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

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



Polar Flux Remover

BEST
SELLER

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

- Cleans heavy, aged ux
- Removes polar & ionic activators
- Fast, extra-strength cleaning
- Cleans & minimizes white residue
- 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

PRODUCT	PART NUMBER	PACKAGING	WEIGHT
Polar Flux Remover	MCC-RMAPEN	1 Pen (10 mL)	1 oz
	MCC-PFR10A	10.5 oz Aerosol	.66 lbs



RMA Flux Remover Pen



Cleaning pen delivers quick, controlled, spot-on cleaning
(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
- 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

NEW



**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	1 Pen (10 mL)	.5 oz
Water Soluble Flux Remover Cleaning Pen	MCC-PROPEN	1 Pen (10 mL)	.5 oz
RMA Flux Remover Cleaning Pen	MCC-RMAPEN	1 Pen (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): Aerosol 747; Bulk 1017 | 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™

**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!

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



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

TriggerGrip™ Replacement Brushes

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

Standard Brush
MCC-RBNB



Surface Mount Brush
MCC-SMB



Slo-Flo Brush
MCC-RBNB2



Spray-Thru Syringe
MCC-SR35



NSN: 3439-01-428-3240

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

Bench Mounting Kit

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



Bench Mounting Kit
includes mounting hardware

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



PRO TIP!

MONEY-SAVING REFILLS

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



"Slam-shut" tub won't dry out.



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™

BEST SELLER

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



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

**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



PRODUCT	PART NUMBER	PACKAGING
Universal Contact Cleaner	MCC-CCH10A	10.5 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

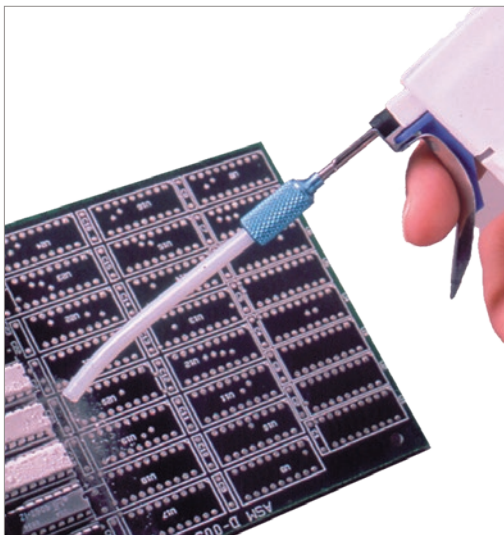
Chemical Family: HFC Blend
Nonflammable
Evaporation: Instant
RoHS/WEEE/ REACH/
EPA SNAP Compliant
NSN: 6850-01-409-2602



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

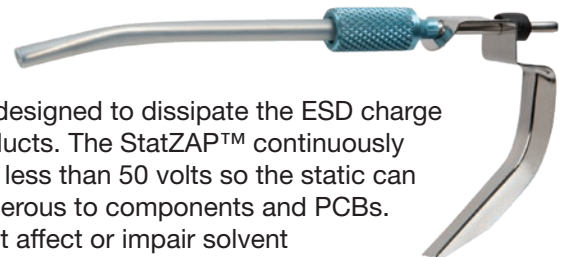
StatZAP™ ESD Eliminator

ELIMINATES ESD DAMAGE

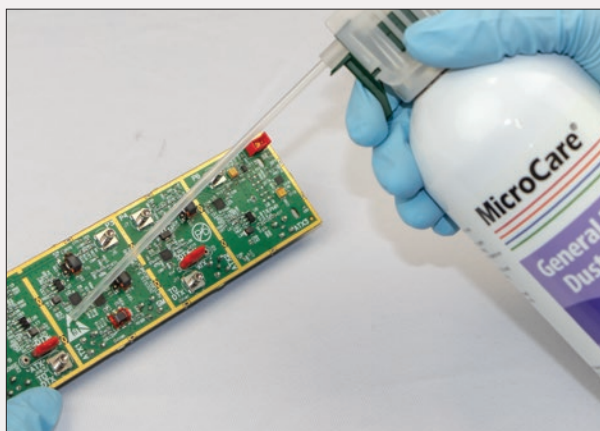


Handy dispensing tool designed to dissipate the ESD charge created by aerosol products. The StatZAP™ continuously drains static charges to less than 50 volts so the static can never reach levels dangerous to components and PCBs. The StatZAP™ does not affect or impair solvent performance.

- ▶ 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

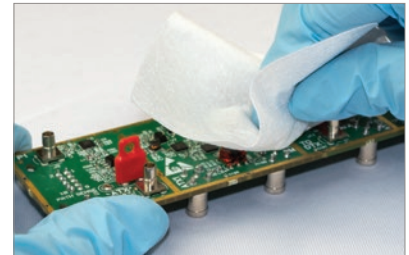
MicroCare™ has many additional rolls and custom configurations. Call for details.

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

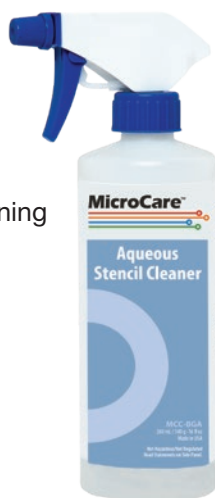
- No binders ensuring maximum purity
- Enormous variety of woven, knitted and non-woven choices
- All are high strength, non-linting fabric for max performance
- High-purity packaging available for cleanroom environments
- Optical grades also available



PRODUCT	DESCRIPTION	PART NUMBER	SIZE / PACKAGING
BEST SELLER General Purpose Wipes NSN: 7920-01-428-4372	<ul style="list-style-type: none"> • Economical, medium absorption polyester/cellulose wipes • Great for use on the rework bench • Electronics-grade SMT lint-free wipes 	MCC-W66	6" x 6" 50 Sheets/Bag
		MCC-W99	9" x 9" 300 Sheets/Bag
	<ul style="list-style-type: none"> • Non-woven polyester wipes - strong, absorbent, bulky and soft • For heavy-duty, nonabrasive applications 	MCC-W66CP	6" x 6" 300 Sheets/Bag
		MCC-W99CP	9" x 9" 300 Sheets/Bag
Composite Wipes	<ul style="list-style-type: none"> • Very soft, clean, knitted polyester • For general cleaning applications • 100% pure polyester, with no cellulose or glues 	MCC-W810	9" x 9" 5 lb Bag
	<ul style="list-style-type: none"> • Great cleaning at low cost • Multi layers of cellulose between polypropylene (very soft & fluffy for extra absorption) • Resists damage from abrasion 	MCC-W88	8" x 8" 100 Sheets/Bag
	<ul style="list-style-type: none"> • Heavy-weight polyester wipes • Static-dissipative even when dry 	MCC-W99CY	9" x 9" 150 Sheets/Bag
Optical Grade Wipes	<ul style="list-style-type: none"> • High-purity, optical-grade polyester wipes • Sized for more delicate cleaning - optical devices, microscopes and smaller tools 	MCC-WF44	4" x 4" 50 Sheets/Bag
Stencil Wipes	<ul style="list-style-type: none"> • Relatively low linting • Good purity polyester/cellulose wipes 	MCC-W11	8.5" x 11" 100 Sheets/Bag
	<ul style="list-style-type: none"> • A larger polyester/cellulose wipe for faster cleaning • Textured for better scrubbing 	MCC-W12	12" x 17" 50 Sheets/Bag
	<ul style="list-style-type: none"> • Strong synthetic polymer wipes with great lifting ability • 6" x 6" - Sized for the rework bench 	MCC-W66DF	6" x 6" 300 Sheets/Bag
	<ul style="list-style-type: none"> • 9" x 9" - Optimal size for stencil wiping 	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	16 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	16 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	Kit includes: Cleaning Fluid & Cleaning Wipes

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



PRODUCT	PART NUMBER	PACKAGING/WEIGHT
VDX Dry Lubricant Spray	MCC-VDX	12 oz Aerosol

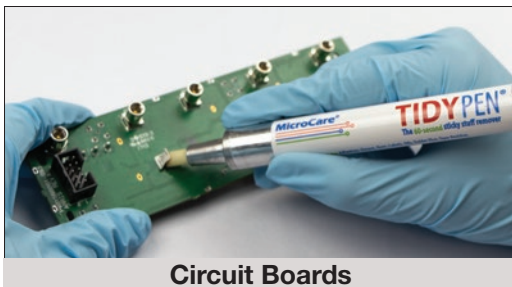


TidyPen™ Adhesive & Label Remover

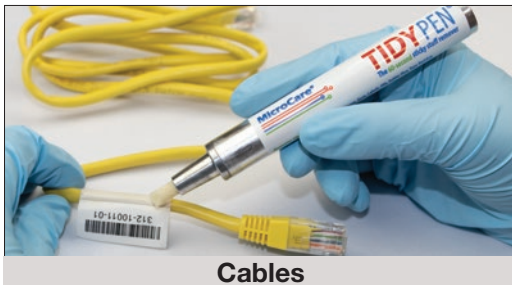
THE 60-SECOND STICKY STUFF REMOVER

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-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

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



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Cleaning application scientists answer your questions

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CLEANING AUDITS**



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RECOMMENDATIONS**



Sustainable products for a better future

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