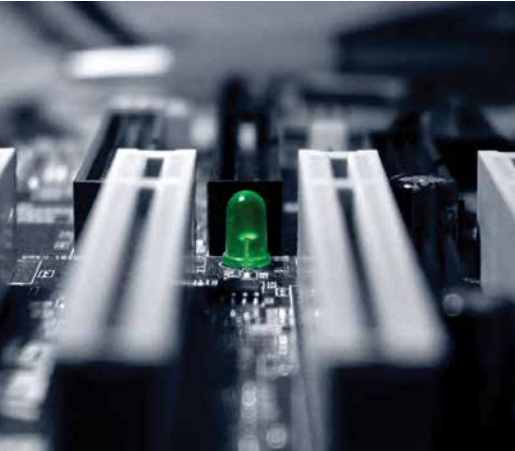




Discover Perfectly Clean



PRODUCT CATALOG

Welcome to MicroCare®



Discover Perfectly Clean

When it comes to precision cleaning electronics during manufacturing, rework or repair, MicroCare is the industry leader. The MicroCare brand of quality products, innovative chemistries and instant customer service has earned the trust of companies around the globe.

MicroCare products:

- Reduce manufacturing costs
- Improve production efficiencies
- Maximize throughput
- Minimize defects and waste
- Enhance product stewardship and safety
- Improve quality and reliability

Contents

New Products & Customer Favorites	3
Best Cleaning Tools & TriggerGrip™ Cleaning System	4
Circuit Chillers & Dust Removers	5
Electrical Contact Cleaner & Static Control	6
Flux Removers	7 - 10
Label Remover	11
Lens Cleaner	11
Reflow Oven Cleaner	12
Stencil Cleaner	12
Wipes	13 - 14



MicroCare.com

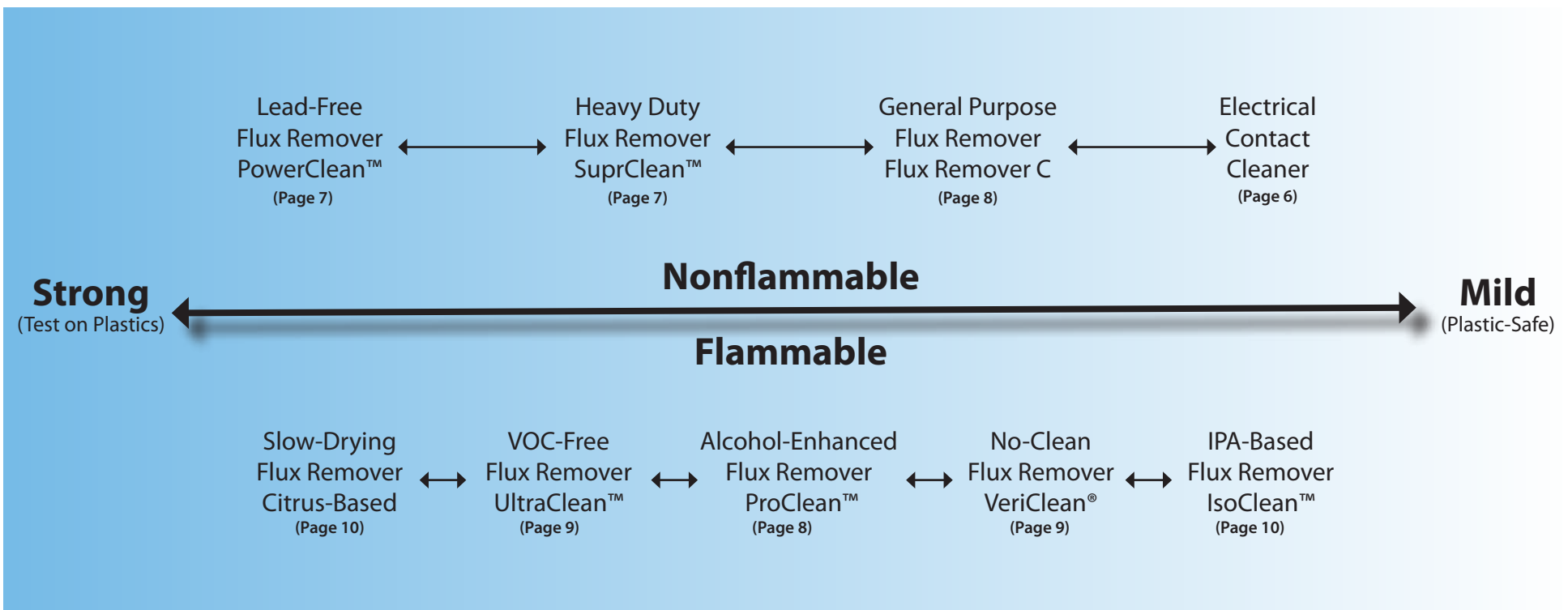
The MicroCare logo and the terms *MicroCare*, *TidyPen*, *TriggerGrip*, *ProClean*, *MultiClean*, *IsoClean*, *PowerClean*, *SupraClean*, *UltraClean*, *VeriClean*, *Expoxy*, *OPTIXX*, *ShockShield* and *StatZap* are all trademarks or registered trademarks of MicroCare Corporation.

We Make it Easy!

This simple chart compares our best selling cleaning fluids on two important characteristics: safety and cleaning strength. Use the chart below to get started in your search. Get more details on the following pages of the catalog or at MicroCare.com.



Flux Remover Selection Guide



New Products

VOC-Free Flux Remover UltraClean™



Page 9

- VOC-Exempt formula
- Highly effective on rosin-based fluxes & pastes
- Low odor, medium strength, quick drying
- Non-chlorinated/ Halogen-free

MicroCare® Circuit Board Cleaning Station

- Everything you need to effectively clean at the work bench



Page 4

OPTIXX™ Precision Lens & Instrument Screen Cleaning Kit

- Engineered to clean high precision optics, solar cells, laser hardware, and scientific instruments
- Eliminates static cling that attracts dust



Page 11

Customer Favorites

Lead-Free Flux Remover PowerClean™



Page 7

- Strongest defluxer for high-temperature lead-free flux residues

Heavy Duty Flux Remover SuprClean™



Page 7

- Extremely effective on rosin-based residues
- Popular with military and aerospace customers
- Instant drying, low aroma

Alcohol-Enhanced Flux Remover ProClean™



Page 8

- Lowest cost cleaner for rosin, water-based, and no-clean
- Slow-drying for more cleaning time

No-Clean Flux Remover VeriClean®



Page 9

- Highly effective on "no-clean" fluxes
- Easily removes silicone conformal coatings

TriggerGrip™ Cleaning System

- Cuts cleaning costs
- Reduces cleaning fluid use by 66%
- Cleans in seconds
- Safer work environment
- Optimum cleaning system
- Reusable, fits most MicroCare aerosols
- ESD-safe



Surface Mount Brush



Standard Replacement



Spray-Thru Syringe



Product	Part Number	Units
MicroCare® Circuit Board Cleaning Station	MCC-CBCSK	Case of 6
TriggerGrip™ Cleaning System	MCC-ESD	Case of 10
TriggerGrip™ Brush, Standard Replacement, Natural Bristle	MCC-RBNB	Box of 5
TriggerGrip™ Brush, Slo-Flo, Natural Bristle	MCC-RBNB2	Box of 5
TriggerGrip™ Brush, Surface Mount, Natural Bristle	MCC-SMB	Box of 5
TriggerGrip™ Brush, Surface Mount, Soft Bristle (Camel Hair)	MCC-SQB	Box of 5
TriggerGrip™ Brush, Long-Nose Brush	MCC-LNB	Box of 5
TriggerGrip Spray-Thru Syringe .035 O.D.	MCC-SR35	Box of 5
Bench Mounting Kit	MCC-BK3	Case of 10

MicroCare® Circuit Board Cleaning Station

- Convenient starter kit and price value
- Engineered for a better cleaning process: Wet, Scrub, Rinse, Dry
- Cleans in seconds
- ESD-safe
- Spray-thru brush always stays clean
- Reduces cleaning fluid use by 66%
- Safer work environment
- Can empties completely; no waste



Includes the TriggerGrip™, Heavy Duty Flux Remover (#MCC-SPR on page 7), Bench Mounting Kit, High Performance Lint-Free Dry Wipes (#MCC-W66 on page 13)

Bench Mounting Kit

- Organizes work bench
- Keeps aerosol can from tipping and falling
- ESD-safe
- Use with Trigger Grip™ cleaning system



General Purpose Circuit Chiller



Anti-Static Circuit Chiller



Shown with optional StatZap™ ESD Eliminator

- Used to find intermittent faults in circuit boards
- Chills to lower than -45°C in seconds
- Nonflammable
- Ultra-pure

Technical Details
 Chemical Family: HFC
 Safety Rating: Nonflammable
 Evaporation: Instant
 Organic Content (g/L):
 MCC-FRZ = 0
 MCC-FRZA = 12

Product	Part Number	Pack Type
General Purpose Circuit Chiller	MCC-FRZ	10.5 oz Aerosol
Anti-Static Circuit Chiller (StatZap Compatible)	MCC-FRZA	10.5 oz Aerosol

General Purpose Dust Removers



- Blows dust and grit from keyboards, optics, machinery and circuitry
- Nonflammable for maximum safety
- High-pressure
- High-purity, leaves no residues
- Multiple package sizes available

Technical Details
 Chemical Family: HFC
 Safety Rating: Nonflammable
 Evaporation: Instant
 Organic Content (g/L): 0
 NSN: 6850-01-483-4104

Product	Part Number	Pack Type
General Purpose Dust Remover	MCC-DST	10 oz Aerosol
General Purpose Dust Remover	MCC-DST14A	14 oz Aerosol
General Purpose Dust Remover (StatZap Compatible)	MCC-DSTZ	10 oz Aerosol
General Purpose Dust Remover (StatZap Compatible)	MCC-DSTZ14	14 oz Aerosol

Electrical Contact Cleaner

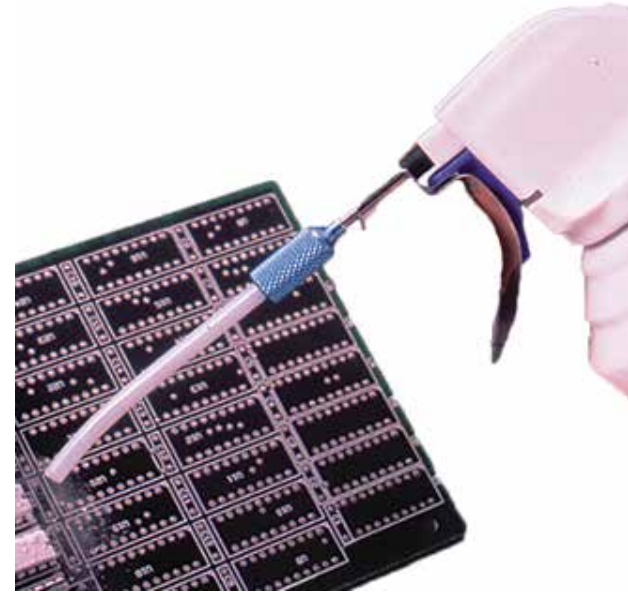


- Nonconductive, plastic-safe contact cleaner and circuit rinse
- Rinses light oils, dust, lint and grit from connectors, switches, electromechanical parts, PCBs and motor windings
- Dries in seconds with no residue
- Safe on circuit boards, cable harnesses, motors and keyboards
- No odor, nonflammable
- TriggerGrip™ cleaning system compatible
- StatZap™ compatible

Technical Details
 Chemical Family: HFC
 Cleaning Strength (Kb): 18
 Safety Rating: Nonflammable
 Evaporation: Fast
 Organic Content (g/L): 0

Product	Part Number	Pack Type	Weight
Electrical Contact Cleaner	MCC-CCC	10.5 oz Aerosol	--
	MCC-CCCG	1 Gallon Minipail	10 lb
	MCC-CCCP	5 Gallon Pail	50 lb
	MCC-CCCD	55 Gallon Drum	550 lb

StatZAP™ ESD Eliminator



- Handy dispensing tool for MicroCare aerosol products
- Eliminates ESD static and damage, reduces to harmless 50 volts or less
- Unique ShockShield™ prevents contact with energized circuits

Product	Part Number	Units
StatZAP™ ESD Eliminator	MCC-ZAP	Case of 10

*Reusable StatZAP™ ESD Eliminator can be used on all aerosol cans, except for MCC-DST & MCC-DSR14A

Lead-Free Flux Remover - PowerClean™



- Strong defluxing of high-temperature lead-free solder flux residues
- Cleans oils, inks and some conformal coatings
- Eliminates white residues
- No residue/no rinsing
- Nonflammable and fast-drying
- Removes acrylic conformal coatings
- Test on plastics
- TriggerGrip™ cleaning system compatible

Technical Details

Chemical Family: HFC Blend
 Cleaning Strength (Kb): 115
 Evaporation: Fast
 Safety Rating: Nonflammable
 VOC Content (g/L): 1,080

Heavy Duty Flux Remover - SuprClean™



- Best option for rosin fluxes
- Removes acrylic conformal coatings
- Instant drying, low odor
- Excellent degreaser
- No residue/no rinsing
- Nonflammable, ESD-safe
- Test on plastics
- TriggerGrip™ cleaning system compatible

Technical Details

Chemical Family: HFC Blend
 Cleaning Strength (Kb): 110
 Safety Rating: Nonflammable
 Evaporation: Fast
 VOC Content (g/L): 939

Product	Part Number	Pack Type	Weight
Lead-Free Flux Remover - PowerClean™	MCC-PW210A	10.5 oz Aerosol	-
	MCC-PW2G	1 Gallon Minipail	10 lb
	MCC-PW2P	5 Gallon Pail	50 lb
	MCC-PW2D	55 Gallon Drum	500 lb

Product	Part Number	Pack Type	Weight
Heavy Duty Flux Remover - SuprClean™	MCC-SPR	12 oz Aerosol	-
	MCC-SPRG	1 Gallon Minipail	10 lb
	MCC-SPRP	5 Gallon Pail	50 lb
	MCC-SPRD	55 Gallon Drum	500 lb

General Purpose Flux Remover - Flux Remover C



- Cleans no-clean and rosin flux
- Nonflammable and fast-drying
- Non-corrosive
- No residue/no rinsing
- Safe on most plastics
- ESD-safe
- Suitable for use in vapor degreasers
- TriggerGrip™ cleaning system compatible

Technical Details

Chemical Family: HFC Azeotrope
 Cleaning Strength (Kb): 25
 Evaporation: Fast
 Safety Rating: Nonflammable
 Organic Content (g/L): 590

Alcohol-Enhanced Flux Remover - ProClean™



- Low-cost cleaner for rosin, water based and no-clean fluxes
- Use on solder pastes, fluxes and fresh chip bonder
- Plastic-safe
- Slow drying increases cleaning time when working with baked-on flux residues
- Alcohol blend delivers increased cleaning strength compared to isopropyl alcohol
- ESD-safe
- TriggerGrip™ cleaning system compatible

Technical Details

Chemical Family: Alcohol
 Cleaning Strength (Kb): 25 (Est.)
 Safety Rating: Flammable
 Evaporation Rate: Slow
 Non-Exempt Organic Content (g/L): 785
 NSN: 6850-01-361-0867

Product	Part Number	Pack Type	Weight
General Purpose Flux Remover - Flux Remover C	MCC-FRC	10.5 oz Aerosol	-
	MCC-FRCG	1 Gallon Minipail	10 lb
	MCC-FRP	5 Gallon Pail	50 lb
	MCC-FRCD	55 Gallon Drum	500 lb

Product	Part Number	Pack Type	Weight
Alcohol-Enhanced Flux Remover - ProClean™	MCC-PRO	12 oz Aerosol	-
	MCC-PROG	1 Gallon Minicube	6 lb
	MCC-PROP	5 Gallon Cubitainer	32 lb
	MCC-PROD	55 Gallon Drum	355 lb

VOC-Free Flux Remover - UltraClean™



- VOC-Exempt formula
- Highly-effective on no-clean fluxes
- Removes rosin-based fluxes, pastes, and silicone residues on circuit boards
- Medium drying speed
- Strongest non-chlorinated/ halogen-free cleaner
- Plastic-safe
- TriggerGrip™ cleaning system compatible

Technical Details

Chemical Family: Siloxanes
 Cleaning Strength (Kb): 56
 Safety Rating: Flammable
 Evaporation Rate: Medium
 VOC Content (g/L): 0

No-Clean Flux Remover - VeriClean®



- Best on no-clean fluxes and pastes
- Very good on light oils, grease and many adhesives
- Dissolves silicone oils, coatings and adhesives quickly and safely
- No residue/no rinsing
- Plastic-safe
- TriggerGrip™ cleaning system compatible

Technical Details

Chemical Family: Methyl Siloxane
 Cleaning Strength (Kb): 50 (Est.)
 Evaporation Rate: Medium
 Safety Rating: Flammable
 Organic Content (g/L): 87

Product	Part Number	Pack Type	Weight
VOC-Free Flux Remover - UltraClean™	MCC-VOC10A	10 oz Aerosol	-
	MCC-VOCG	1 Gallon Minipail	6 lb
	MCC-VOCP	5 Gallon Pail	32 lb
	MCC-VOCD	55 Gallon Drum	330 lb

Product	Part Number	Pack Type	Weight
No-Clean Flux Remover - VeriClean®	MCC-DC1	10 oz Aerosol	-
	MCC-DC1G	1 Gallon Minipail	6 lb
	MCC-DC1P	5 Gallon Pail	32 lb
	MCC-DC1D	55 Gallon Drum	330 lb

IPA-Based Flux Remover - IsoClean™



- Cleans water-based, rosin and no clean fluxes
- Ultra-pure, no residues
- Slow drying for maximum cleaning time
- Plastic-safe, ESD-safe
- TriggerGrip™ cleaning system compatible

Technical Details

Chemical Family: Alcohol
 Cleaning Strength (Kb Value): 20
 Safety Rating: Flammable
 Evaporation Rate: Slow
 VOC Content (g/L): 785

Slow-Drying Flux Remover



- Natural, biodegradable citrus-based cleaner
- Cleans fluxes, conformal coatings, adhesives, residues, glues, dirt, moisture, dust and light oxides
- Dries residue-free
- Excellent silicone remover
- TriggerGrip™ cleaning system compatible

Technical Details

Chemical Family: Terpene Hydrocarbon
 Cleaning Strength (Kb Value): 67
 Safety Rating: Combustible
 Evaporation Rate: Slow
 VOC Content (g/L): 890

Product	Part Number	Pack Type	Weight
IPA-Based Flux Remover - IsoClean™	MCC-BAC	12 oz Aerosol	-
	MCC-BACG	1 Gallon Minipail	6 lb
	MCC-BACP	5 Gallon Cubitainer	32 lb
	MCC-BACD	55 Gallon Drum	355 lb

Product	Part Number	Pack Type	Weight
Slow-Drying Flux Remover - Citrus Based	MCC-EC7M	10 oz Aerosol	-
	MCC-EC7MG	1 Gallon Minipail	6 lb
	MCC-EC7MP	5 Gallon Pail	35 lb
	MCC-EC7MD	55 Gallon Drum	390 lb

TidyPen® Adhesive & Label Remover



- Excellent for removing adhesives, tape residues, pressure sensitive marking tags, paper labels, stickers, EPROM labels and Kapton® residues
- Pocket-sized cleaning with almost unlimited uses
- Simple to use, fast and convenient
- Removes corrosion from gold fingers on PCB's
- ESD-safe packaging
- Extremely cost-effective

Technical Details
 Chemical Family: Terpene Hydrocarbons
 Cleaning Strength: 67
 Safety Rating: Combustible
 Organic Content (g/L): 890

OPTIXX™ Precision Lens & Instrument Screen Cleaning Kit



- Engineered to clean high precision optics, solar cells, laser hardware and scientific instruments
- Eliminates static cling that attracts dust
- Wipes exceed A-A-50177B, Type 1, Class 4
- Safe on all surfaces
- Cleans dust, oil, grime, pyrotechnic soot & moisture from optical lens, metals, plastic & coatings
- Ships anywhere as "non-hazardous/not regulated"
- Super simple, super fast, super value

Product	Part Number	Units
TidyPen® Adhesive & Label Remover	MCC-L80881	3 Pen Pack
TidyPen® Adhesive & Label Remover	MCC-PO1	10 Pen Box
TidyPen® Chisel-Point Nibs	MCC-P40C	Bag of 25
TidyPen® Pen-Point Nibs	MCC-P40P	Bag of 25

Product	Part Number	Pack Type
OPTIXX™ Precision Lens & Instrument Screen Cleaning Kit	MCC-OTXCK	Cleaning Kit - Cleaning Fluid & Cleaning Wipes
Optical-Grade High Purity Cleaning Fluid	MCC-OTXO3M	Cleaning Fluid (3 oz)
Optical-Grade Lint -Free Wipes	MCC-OTXW	Cleaning Wipes (100 pack)

Reflow Oven Cleaner



- Speeds cleaning of ovens even when hot
- Cleans pallets, baffles, heating elements, clamps, chains, drive gears and housings
- Activated by the residual heat of the oven
- 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
 Safety Rating: Nonflammable
 Organic Content: (g/L) 495

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
- Nonflammable
- Slow drying for longer cleaning time
- Non-foaming
- Suitable for use in ultrasonic cleaning tanks

Technical Details

Chemical Family: Water-Based
 Safety Rating: Nonflammable
 VOC Content (g/L): 209

Product	Part Number	Pack Type	Weight
Reflow Oven Cleaner	MCC-ROC	12 oz Pump Spray	-
	MCC-ROCG	1 Gallon Minicube	7 lb
	MCC-ROCP	5 Gallon Cubitainer	30 lb
	MCC-ROCD	55 Gallon Drum	436 lb

Product	Part Number	Pack Type	Weight
Aqueous Stencil Cleaner	MCC-BGA	12 oz Pump Spray	-
	MCC-BGAG	1 Gallon Minicube	7 lb
	MCC-BGAP	5 Gallon Cubitainer	32 lb
	MCC-BGAD	55 Gallon Drum	400 lb

Dry Wipes



- No binders ensuring maximum purity
- Knitted or non-woven fabrics
- Available in a variety of sizes, packaging and weight for every application
- High strength, non-linting or shredding
- High purity packaging available for cleanroom environments
- Optics grade available

Stencil Cleaning Rolls



- Exact replacement to OEM/Rolls at competitive prices
- Some rolls feature the exclusive MicroCare FP fabric which is engineered for fine-pitch applications and eliminates the need to use solvents during wiping
- Durable and absorbent, avoiding cellulose fibers or glue residue
- Reduces paper consumption and shortens cleaning cycle
- Call for custom sizes

MicroWipe™ Products	Part Number	Packaging	Size
Circuit Board Wipes	MCC-W66DF	300 Sheets/Bag	9x9 inches
Lint-Free Wipes: Medium Density	MCC-W66	55 Sheets/Bag	6x6 inches
Lint-Free Wipes: Ultra-Soft	MCC-W66CP	300 Sheets/Bag	6x6 inches
Stencil Cleaning Wipes	MCC-W11	100 Sheets/Bag	8.5x11 inches
Lint-Free Wipes: Medium Density	MCC-W12	50 Sheets/Bag	12x16 inches
Lint-Free Wipes	MCC-W99	300 Sheets/Bag	9x9 inches
Stencil Cleaning Wipes	MCC-W99DF	300 Sheets/Bag	9x9 inches
Stencil Cleaning Wipes	MCC-W99	300 Sheets/Bag	9x9 inches
Industrial Cleaning Wipes	MCC-W810	5 Pound Bag	9x9 inches

Stencil Roll Type	Part Number	General Description	Material Type
MPM Economy	MCC-101TC	39' Long/18" Wide	C
MPM Standard	MCC-101TEA	39' Long/18" Wide	E
MPM Extra Long	MCC-101TX	39' Long/18" Wide	E
MPM Premium FP	MCC-101DA	39' Long/18" Wide	FP
DEK Standard	MCC-105EA	10' Long/20.87" Wide	E
DEK Premium FP	MCC-105DA	30' Long/20.87" Wide	FP
Panasonic Extra Long	MCC-J154EA	108' Long/13.75" Wide	E

MicroCare has many additional rolls and custom configurations for these and other stencil printers, including Accela, Ekra, Samsung, Panasonic, Fuji, Yamaha and others. Contact your local MicroCare rep for details.

Presaturated Wipes



Alcohol-Enhanced - ProClean™

- Stronger, faster stencil cleaner
- Very pure blend, water-free alcohols
- No rinsing required
- Excellent on lead-free pastes

MultiTask Surface Cleaner - MultiClean™

- Removes solder paste, flux residues, finger prints, uncured epoxy residues, light oils and grease
- Most economical
- Water and alcohol mix
- ESD-safe

Stencil, Squeegee & Misprint Cleaner - ScreenClean™

- Engineered for removing inks
- ESD-safe, residue-free
- Plastic-safe
- Excellent replacement for methylene, chloride, acetone and other ink removing solvents

Uncured Epoxy Cleaner - Exproxy™

- The strongest stencil cleaner and degreaser
- Removes uncured epoxy, cured chip bonder, grease, solder paste, light oils and some inks
- Dissolves both organic and inorganic deposits, some acrylic

Product	Part Number	Packaging
Alcohol-Enhanced - ProClean™	MCC-PROW	Container & 100 Wipes, 8.5x5.5
	MCC-PROWR	Refill - 100 Wipes, 8.5x5.5
MultiTask Surface Cleaner - MultiClean™	MCC-MLCW	Container & 100 Wipes, 8.5x5.5
	MCC-MLCWR	Refill - 100 Wipes, 8.5x5.5
Stencil, Squeegee & Misprint Cleaner - ScreenClean™	MCC-CDIW	Container & 100 Wipes, 8.5x5.5
Uncured Epoxy Cleaner - Exproxy™	MCC-EPXW	Container & 100 Wipes, 8.5x5.5
	MCC-EPXWR	Refill 100 Wipes, 8.5x5.5

These presaturated wipes all come with MicroCare unique “slam shut” packaging, hermetically sealed for extra long shelf-life. All MicroCare presaturated wipes are made with the same heavy duty, lint-free fabric that resists tearing and shredding.

Money-saving refills are available only from MicroCare. These contain the same wipes and fluid as the tubs above, but reduce costs and help protect the environment by encouraging the re-use of packaging.



Visit Our Websites:



MicroCare Corporation

MicroCare.com



MicroCare Precision Cleaners

MicroCarePrecisionCleaners.com



MicroCare Medical

MicroCareMedical.com



Sticklers Cleaners

SticklersCleaners.com

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REACH/Regulatory Compliance

MicroCare currently provides EU-compliant Safety Data Sheets (SDS) for all MicroCare products factory imported into the EU and will meet all deadlines related to GHS and CLP compliance with regard to substances directly imported into the EU. As of going to print, all substances that MicroCare currently imports into the EU are REACH-compliant either through direct SIEF participation, or by means of "Only Representative" agreements with suppliers. MicroCare products do not contain any ingredients listed in REACH SVHC lists. All MicroCare products are RoHS compliant.