



ONE COMPANY... MANY SOLUTIONS

# ELECTRONICS MAINTENANCE

DUSTERS

COLD SPRAYS

ELECTRONICS CLEANERS

FLUX REMOVERS

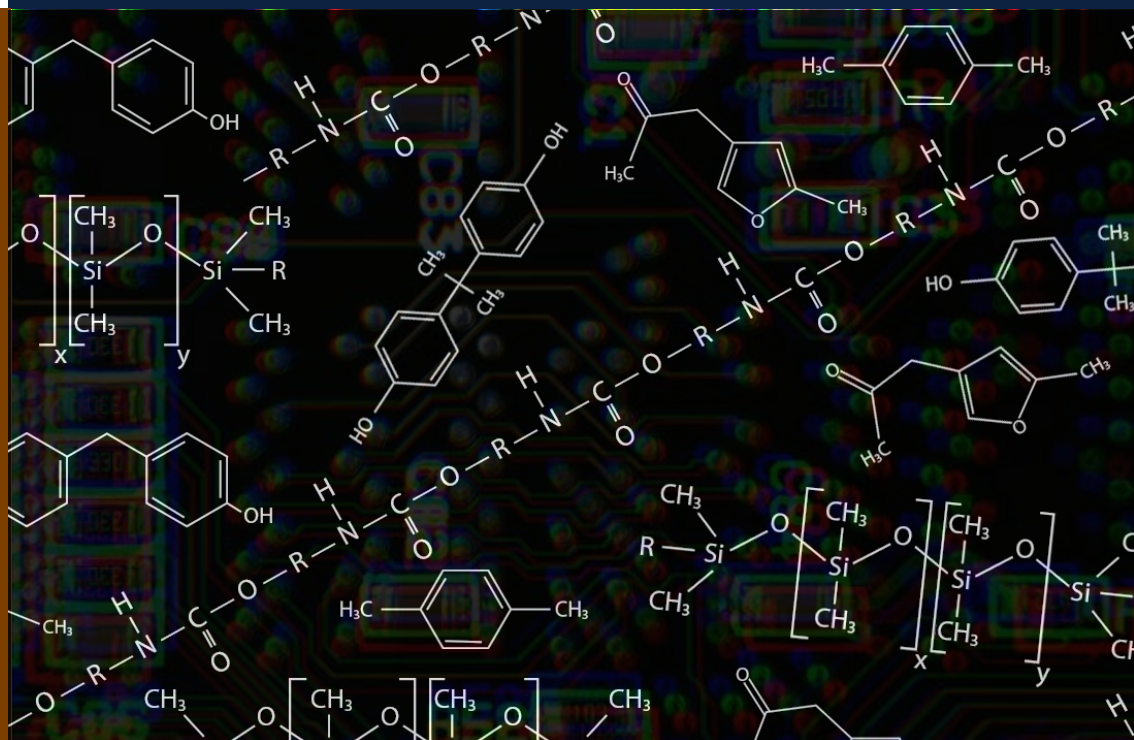
CONTACT CLEANERS

SPECIALTY CLEANERS

WIPES

SWABS

BRUSHES





## WHAT IS MG CHEMICALS?

MG Chemicals is a manufacturer and wholesaler of chemical products for the electronics industry. Our chemical products include dusters and circuit coolers, electronic cleaners, flux removers, contact cleaners, protective coatings, epoxies, adhesives, RTV silicones, lubricants, EMI/RFI shielding coatings, thermal management products, prototyping supplies, solders and more. We also distribute related non-chemical products such as wipes, swabs, brushes, desoldering braids, copper-clad boards and 3D printing filaments.

## MG SERVICE

MG Chemicals understands that setting up production involves multiple challenges. Our service team has years of experience in production and equipment use, and understands the various technical issues you may encounter during planning, pilot studies and production runs. To overcome these challenges, we offer the following professional services.

MG Chemicals can

- Provide advice on equipment and materials
- Assist with setup and troubleshooting
- Review your proposed application processes
- Suggest ways of optimizing and customizing processes to best meet your needs
- Offer training on the proper use of our products

Quality Assurance

Since 1955, MG Chemicals has provided the North American electronics industry with a full line of high performance chemicals and accessories. The MG Chemicals manufacturing facility operates under the ISO 9001 Quality System Standard. All products undergo MG Chemicals' design process, including the testing and analysis of each product to maximize performance, user safety, environmental safeguards and market desirability.

Customer Care

Customer care is what separates MG Chemicals from the rest. Our commitment to all of these principles focuses on getting you the quality product and support you deserve.



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# DUSTERS

MG Chemicals dusters are formulated to deliver a high rate of compressed gas to safely and effectively remove microscopic dust, lint and foreign particles from computers, keyboards, office equipment, electrical equipment, telecommunications devices, A/V equipment, laboratory instruments, medical devices, photographic equipment, and electronic instruments. They are suitable for use in labs, on work benches, in maintenance and for service shops, off-site servicing, residential homes, offices, and industry.



## Super Duster™ 134

Super Duster™ 134 is a pressurized gas duster made with 100% HFC134A gas. Its powerful blast blows away microscopic dust, lint and foreign particles. Good for home or office, it is non-flammable and non-conductive, so it can be used on live circuits or in industrial environments.

- 100% HFC 134A gas
- Non-Flammable
- Non-Conductive
- High flow delivery system
- Ozone safe
- VOC free
- Zero residue
- Moisture free
- Safe on plastics
- Filtered to 0.2 microns
- CARB compliant when used on energized circuits



## Super Duster™ 152

Super Duster™ 152 is a pressurized gas duster made with 100% HFC152A gas. Its powerful blast blows away microscopic dust, lint and foreign particles. Recommended for use in home or office over 402A.

- 100% HFC 152A gas
- Economical
- Ozone safe
- Non-VOC
- Non-flammable aerosol\*
- Zero residue
- High flow delivery system
- Food safe – Registered with CFIA and NSF
- Filtered to 0.2 microns
- CARB Compliant



Nonfood Compounds  
Program Listed K2  
Registration #141801

Cat. Number	Net Volume		Net Weight		Format	Packaging
402A-285G	236 mL	7.98 fl oz	285 g	10 oz	Aerosol	Spray can
402A-450G	373 mL	12.6 fl oz	450 g	15.8 oz	Aerosol	Spray can

Cat. Number	Net Volume		Net Weight		Format	Packaging
402B-285G	313 mL	10.5 fl oz	285 g	10 oz	Aerosol	Spray can
402B-400G	439 mL	14.8 fl oz	400 g	14.1 oz	Aerosol	Spray can

\* While this aerosol is classified as non-flammable according to Canadian and American criteria, the liquid form is flammable. Do not use this product in presence of flames or on a live circuit. (Note: the liquid form can be ejected if the aerosol can is not held upright during use.)

## Super Duster™ 134 Refill

A Super Duster™ 134 refill container for use with our Super Duster Trigger Valve.

Super Duster™ 134 is a pressurized gas duster made with 100% HFC 134A gas. Its powerful blast blows away microscopic dust, lint, and foreign particles. Good for use

in home or office, it is non-flammable and non-conductive, so it is suitable for use on live circuits or in industrial environments.

- 100% HFC 134A gas
- Non-Flammable
- Non-Conductive
- High flow delivery system
- Ozone safe
- VOC free
- Zero residue
- Moisture free
- Safe on plastics
- Filtered to 0.2 Microns
- CARB compliant when used on energized circuits



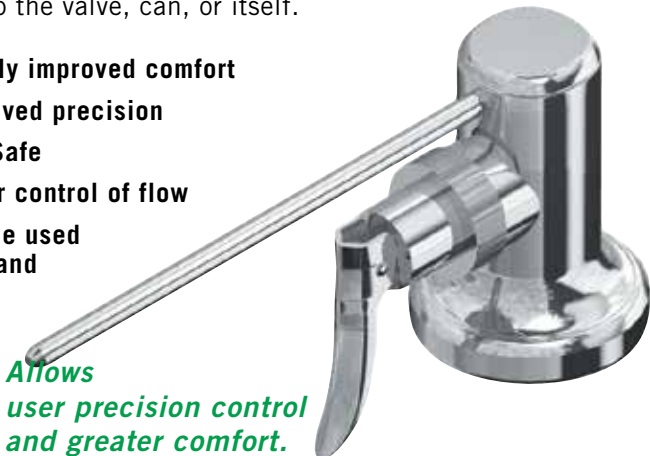
Cat. Number	Net Volume	Net Weight	Form	Packaging
402AR-285G	236 mL / 7.98 fl oz	285 g / 10 oz	Aerosol	Spray can

## Chrome Trigger Valve

This high quality threaded chrome valve greatly increases the comfort for high volume users, who might find the regular plastic trigger irritating after prolonged use. It also provides improved accuracy and better control over the rate of flow than plastic triggers.

This product can be used over and over. It simply screws onto the top of the can, and may be removed at any time without damage to the valve, can, or itself.

- Greatly improved comfort
- Improved precision
- ESD Safe
- Better control of flow
- Can be used over and over



Cat. Number	Bore Diameter	Nozzle Stem length	Packaging
402T	2.0 mm +/- 0.1	93 mm	Clam shell

MG Chemicals has developed a high quality cold spray that chills to -51 °C (-60 °F) to help locate thermal or "hot" intermittent faults on your electronic components, PCB cracks, and cold solder joints. The frigid gas provides heat sink protection during soldering and desoldering activities. As an added benefit, the spray will also freeze gum, glues and adhesives for easier removal. This product is registered with the CFIA and the NSF for use in and around food processing establishments.



## SuperCold™ 134

MG Chemicals' cold spray is 100% HFC 134A non-flammable gas. It is primarily used for diagnosing thermally intermittent problems with electronic devices, but it is also useful for protecting heat sensitive components during soldering, quickly cooling solder joints. It can also be used to quickly remove gum and other adhesives from a variety of surfaces.



- 100% HFC 134A gas
- Chills down to -51 °C (-60°F)
- Ozone safe
- Non-flammable
- Non-conductive
- Zero residue
- VOC exempt
- Registered with NSF for use in and around food processing establishments



Cat. Number	Net Volume	Net Weight	Format	Packaging
403A-285G	236 mL / 7.98 fl oz	285 g / 10 oz	Aerosol	Spray can
403A-400G	332 mL / 11.2 fl oz	400 g / 14.1 oz	Aerosol	Spray can

# ELECTRONICS CLEANERS

MG Chemicals offers a wide variety of solutions for the effective cleaning of sensitive electronics components.

## Isopropyl Alcohol (Liquid)

A great all-purpose cleaner for a wide range of electronics applications. Made of 99.95% minimum purity anhydrous alcohol ("IPA"). It is safe on plastics and has a moderate evaporation rate.

- Plastic safe
- Moderate evaporation rate
- Zero residue
- Registered with NSF for use in and around food processing establishments (CFIA exempt)
- CARB compliant

## Isopropyl Alcohol (Aerosol)

99.95% pure isopropyl alcohol ("IPA") in an aerosol can with pure HFC 152A propellant. An economical electronics cleaner and flux remover suitable for a wide variety of cleaning applications in electronics. It is safe on plastics and has a moderate evaporation rate.

- Dissolves light oils and residues
- Zero residue
- Moderate evaporation rate
- Safe on plastics
- Effective flux remover
- Variable valve allows user to control the rate of flow
- CARB compliant
- Registered with NSF for use in and around food processing establishments



**NSF**  
Nonfood Compounds  
Program Listed K2  
Registration #141800

Cat. Number	Net Volume		Net Weight		Form	Packaging
824-100ML	125 mL	4.2 fl oz	98 g	3.2 oz	Liquid	Bottle
824-500ML	475 mL	16 fl oz	373 g	13 oz	Liquid	Pump
824-1L	945 mL	32 fl oz	742 g	1.64 lb	Liquid	Bottle
824-4L	4 L	1.1 gal	3.14 kg	6.93 lb	Liquid	Jug
824-20L	20 L	5.3 gal	15.7 kg	34.6 lb	Liquid	Pail

Cat. Number	Net Volume		Net Weight		Form	Packaging
824-450G	553 mL	18.7 fl oz	450 g	14.5 oz	Aerosol	Spray can

**NSF**  
Nonfood Compounds  
Program Listed K2  
Registration #141800

\*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.

## D-Limonene Industrial Strength

D-Limonene Industrial Strength is a colorless liquid made from 100% natural citrus oils. It is excellent for use in cleaning and degreasing, removing adhesives and tar, floor cleaning, and removing graffiti.

- **Dissolves heavy oils and greases**
- **Dissolves gums and sticky residues**
- **Safe on most plastics**
- **Safe on most enamel paints and acrylic coatings**
- **Can be used to dissolve HIPS in 3D printing applications**
- **Pleasant citrus odor**



Cat. Number	Net Volume		Net Weight		Form	Packaging
433C-1L	945 mL	1 qt	799 g	1.76 lb	Liquid	Can
433C-4L	3.78 L	1 gal	3.19 kg	7.05 lb	Liquid	Can

## Acetone

Acetone is a pure solvent with an endless variety of applications. It is a very aggressive solvent, dries extremely quickly, and leaves zero residue. Also, it is exempt from VOC regulations in most jurisdictions. It is highly flammable, so appropriate precautions are required before use.

Acetone has many uses specific to electronics. It may be used as a cleaner or stripper. It aggressively dissolves heavy greases and stubborn residues, quickly stripping coatings, and even eventually destroying most encapsulating and potting compounds. It may be used as a thinner for fast dry coatings, or as a multi-purpose solvent, and in 3D printing it is useful for smoothing ABS.

- **Removes stubborn contaminants**
- **Very fast evaporation rate**
- **Highly miscible with other solvents**
- **Leaves no residues**
- **VOC Free**
- **Low toxicity**



Cat. Number	Net Volume		Net Weight		Form	Packaging
434-1L	945 mL	1 qt	746 g	1.64 lb	Liquid	Can

## Safety Wash™ (Liquid)

Safety Wash™ is a liquid all-purpose electronics cleaner made from high purity ethyl alcohol, isopropanol, and a touch of ethyl acetate. It is safe on plastics and effectively dissolves oils, inks and flux residues.

- **For use with de-energized electronic components and equipment**
- **Printed circuit boards**
- **Fiber optic connectors**
- **Electrical assemblies**
- **Relays**
- **Semi-conductors**
- **Cold dip and rinsing**

Cat. Number	Net Volume		Net Weight		Form	Packaging
4050-1L	1 L	33.6 fl oz	787 g	1.73 lb	Liquid	Bottle
4050-4L	4 L	1.06 gal	3.15 kg	6.94 lb	Liquid	Jug
4050-20L	20 L	5.33 gal	15.7 kg	34.7 lb	Liquid	Pail



# ELECTRONICS CLEANERS



## Safety Wash II™ (Aerosol)

Safety Wash II blends three plastic-safe cleaning solvents, denatured ethanol, isopropyl alcohol, and isohexanes, together with a VOC-free propellant. Combining the polar cleaning action of the two alcohols with the non-polar cleaning action of the isohexanes, this formula is ready to take on most oils, greases and other residues in a sensitive electronics environment. It is also an excellent flux remover.



Nonfood Compounds  
Program Listed K2  
Registration #141800

- Dissolves light oils and residues on electronic devices and equipment
- Combines polar and non-polar solvent cleaning action
- Zero residue
- Safe on plastics
- Methanol free
- Variable valve allows user to control the rate of flow
- CARB Compliant
- Registered with NSF for use in and around food processing establishments

## Super Wash™ (Aerosol)

Super Wash is a very fast drying electronics cleaner perfect for post-production clean up. It quickly dissolves fingerprints, oils, inks and organic residues, then it evaporates rapidly, so the cleaned board is immediately ready for packaging. It is also an excellent rinsing agent for removing slower-drying solvents and dissolved residues after immersion cleaning, or in the second step of a two-step flux removal process (dissolve / rinse).



Nonfood Compounds  
Program Listed K2  
Registration #141800

- Very fast evaporation
- Safe on plastics
- Zero residue
- Non-conductive
- Variable valve allows user to control rate of flow
- Flammable - do not use on live circuits
- CARB Compliant\*
- Registered with NSF for use in and around food processing establishments

Cat. Number	Net Volume		Net Weight		Form	Packaging
4050A-450G	535 mL	18 fl oz	450 g	15.8 oz	Aerosol	Spray can

Cat. Number	Net Volume		Net Weight		Form	Packaging
406B-425G	590 mL	20.0 fl oz	425 g	14.9 oz	Aerosol	Spray can





## HFE Solvent (Aerosol)

100% pure HFE 7100 together with pure 134A HFC propellant. Absolutely non-flammable, non-conductive, plastic-safe, and non-toxic.

Unlike many other non-flammable electronic cleaners, MG Chemicals HFE Solvent is not an azeotropic blend. It is a 100% pure HFE 7100 solvent. Azeotropic blends commonly risk becoming flammable over time because the evaporation rates of the various ingredients are close, but not exactly the same, so flammable constituents are eventually exposed. Also, they are not always 100% safe on plastics, because of solvents added to increase cleaning power. With HFE Solvent, neither of those risks exist.



Nonfood Compounds  
Program Listed K2  
Registration #141800

- Can be used on energized circuits
- Non-flammable
- Non-conductive
- Plastic safe
- Fast evaporation rate
- Zero residue
- Non-toxic
- VOC Free
- Approved by SNAP without restrictions
- CARB Compliant\*
- Registered with NSF for use in and around food processing establishment

## Super HFE Electronics Cleaner (Aerosol)

A high-strength, fast dry, non-flammable aerosol cleaner. Combining polar and non-polar solvents, it is effective on a wide range of residues. Use for removing oils, greases, and flux residues from printed circuit boards and other electronics applications. It is also suitable for electrical and industrial use.



- Non-flammable aerosol <sup>(1)</sup>
- Excellent cleaning strength
- Zero residue
- Fast dry
- Polar and non-polar cleaning
- Excellent flux remover
- Safe on many plastics – check compatibility before use
- CARB Compliant\*

<sup>(1)</sup> This Product passes the flame extension test for non-flammable aerosols. However, if the product drips, puddled liquid residues will quickly become momentarily flammable as the constituent solvents will evaporate at slightly different rates.

Cat. Number	Net Volume		Net Weight		Form	Packaging
411-300G	250 mL	8.48 fl oz	300 g	10.5 oz	Aerosol	Spray can

Cat. Number	Net Volume		Net Weight		Form	Packaging
4120-450G	360 mL	12.1 fl oz	450 g	15.8 oz	Aerosol	Spray can

# ELECTRONICS CLEANERS



## Electronics Cleaners - Liquid Comparison Chart

<b>Cat. Number</b>	<b>824</b>	<b>8241</b>	<b>4050</b>	<b>434</b>
<b>Cleaning Characteristics</b>				
PLASTIC SAFE	Yes	Yes	Yes	No
FLAMMABLE	Yes	Yes	Yes	Yes
STRENGTH	Regular	Regular	Regular	Extra
EVAPORATION	Moderate	Moderate	Moderate	Fast
<b>Regulatory Status</b>				
NSF COMPLIANT	Yes	No	No	No
VOC FREE	No	No	No	Yes
<b>Physical Properties</b>				
FLASH POINT	12 °C / 54°F	-18 °C / 65 °F	13 °C / 55 °F	-17 °C / 1.4 °F
BOILING POINT	81.8 °C / 179 °F	81 °C / 177 °F	78 °C / 174 °F	56 °C / 133 °F
<b>Contaminants Cleaning Efficiency</b>				
NON-POLAR RESIDUES	Good	Fair	Good	Good
POLAR RESIDUES	Fair	Good	Fair	Fair
IONIC RESIDUES <small>water soluble</small>	Fair	Good	Fair	Good
FLUX RESIDUES	Good	Fair	Good	Good
OILS	Good	Fair	Good	Good
GREASES	Fair	Fair	Good	Good
INKS	Fair	Fair	Good	Good
DIRT & GRIMES	Fair	Fair	Fair	Fair



## Electronics Cleaners - Aerosol Comparison Chart

<b>Cat. Number</b>	<b>824</b>	<b>4050A</b>	<b>406B</b>	<b>411</b>	<b>4120</b>
<b>Cleaning Characteristics</b>					
PLASTIC SAFE	Yes	Yes	Yes	Yes	Test
FLAMMABLE	Yes	Yes	Yes	No	No
STRENGTH	Regular	Enhanced	Extra	Low	Extra
EVAPORATION	Moderate	Moderate	Fast	Fast	Fast
<b>Regulatory Status</b>					
NSF COMPLIANT	No	Yes	Yes	Yes	No
VOC FREE	No	No	No	Yes	Yes
<b>Physical Properties</b>					
FLASH POINT	12 °C / 54°F	-29 °C / -20 °F	-29 °C / -20 °F	None	None
BOILING POINT	81.8 °C / 179 °F	50 °C / 121 °F	50 °C / 121 °F	60 °C / 140 °F	40 °C / 104 °F
<b>Contaminants Cleaning Efficiency</b>					
NON-POLAR RESIDUES	Fair	Good	Good	Poor	Good
POLAR RESIDUES	Good	Good	Fair	Poor	Good
IONIC RESIDUES <small>water soluble</small>	Good	Good	Poor	Poor	Good
FLUX RESIDUES	Good	Good	Poor	Poor	Excellent
OILS	Good	Good	Good	Fair	Excellent
GREASES	Good	Good	Fair	Poor	Excellent
INKS	Fair	Good	Good	Poor	Good
DIRT & GRIMES	Good	Good	Good	Fair	Excellent

# FLUX REMOVERS

MG Chemicals line of flux removers provide two choices for dissolving and rinsing flux residue: one safe on plastics formula for general flux removal, and an aggressive alternative for removing difficult baked-on flux.

Flux Remover for PC Boards is plastic-safe and designed for general applications. It is effective both at dissolving flux and rinsing dissolved residues from boards.

Heavy Duty Flux Remover is very aggressive. It dissolves the most stubbornly burnt-on flux; however, it is not plastic safe, and therefore it is best used on the solder side of boards or for careful spot removal on populated boards.

Flux removal is a two-step process. Step one is dissolving the flux, and step two is rinsing the dissolved flux off of the board, so it does not redeposit as white residue. Either of our flux removers can rinse as well as dissolve flux; however, our 406B Super Wash™ makes an extra-effective rinsing agent, because it is very fast drying and plastic-safe. It will quickly remove both the slower-drying flux remover and the dissolved flux, producing a clean, dry board in seconds, resulting in an effective flux removal process.

Our flux removers come in both convenient aerosol and liquid formats, and are suitable for maintenance and repair operations, service centers, prototyping, maker projects, and small scale electronics production.

## Flux Remover for PC Boards

A plastic-safe general purpose flux remover. It is zero residue, with a modest dry time, and effective at dissolving and rinsing most flux residues. It is offered in both aerosol and liquid formats.



- Safe on plastics
- Moderate evaporation
- RoHS Compliant
- Low odor
- Zero residue
- Aerosol container variable valve allows user to control rate of flow



## Heavy Duty Flux Remover

MG Chemicals heavy duty flux remover is specially formulated to efficiently remove the most stubborn, encrusted, hard, baked-on flux residues, especially those from high temperature lead-free processes. It is not plastic-safe, so its use on the populated side of the board should be restricted to careful spot cleaning, but it can be freely used on the solder side, providing a fast, effective cleaning process.



- Extra strength
- Quickly dissolves burnt on flux
- Fast evaporation
- Offered in liquid and aerosol formats
- Aerosol variable valve allows user to control rate of flow
- CARB compliant\* (Aerosol format\*\*)

Cat. Number	Net Volume		Net Weight		Form	Packaging
4140-400G	453 mL	15.3 fl oz	400 g	14.1 oz	Aerosol	Spray can
4140-1L	1 L	33.6 fl oz	791 g	1.74 lb	Liquid	Bottle
4140-4L	4 L	1.06 gal	3.16 kg	6.98 lb	Liquid	Bottle
4140-20L	20 L	5.34 gal	15.8 kg	34.8 lb	Liquid	Pail
4140A-P	11.5 mL	0.38 fl oz	9.55 g	0.33 oz	Liquid	Pen

Cat. Number	Net Volume		Net Weight		Form	Packaging
413B-425G	498 mL	16.8 fl oz	425 g	14.9 oz	Aerosol	Spray can
413B-1L	945 mL	1 qt	784 g	1.72 lb	Liquid	Can
413B-4L	3.78 L	1.0 gal	3.13 kg	6.91 lb	Liquid	Can
413B-20L	18.9 L	5.0 gal	15.6 kg	34.5 lb	Liquid	Pail

\*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.

\*\*CARB Category and Limit: Electronics Cleaner, 75%

# CONTACT CLEANERS

MG Chemicals contact cleaners are formulated to clean, lubricate, protect, restore and prolong the conductivity and performance of electronics contacts. They restore damaged parts and prevent deterioration, caused by a wide variety of contaminants, corrosion and wear and tear, ensuring permanent and reliable connectivity.

## Nu-Trol™ Control Cleaner

Nu-Trol's unique blend of high purity solvents and a lubricating mineral oil is excellent for cleaning and lubricating delicate moving parts in electronics, such as controls, potentiometers, dials, switches, tuners and servomechanisms. It is also good for general purpose cleaning and lubrication of moving parts for locks, hinges and power tools.



- Contains electronic grade mineral oil
- Safe on plastics
- Moderate evaporation rate
- Non-aggressive - safe for use on vintage electronics
- Variable valve allows user to control the rate of flow

Cat. Number	Net Volume		Net Weight		Form	Packaging
401B-140G	188 mL	6.35 fl oz	140 g	4.93 oz	Aerosol	Spray can
401B-340G	457 mL	15.4 fl oz	340 g	11.9 oz	Aerosol	Spray can



## Contact Cleaner with Silicones

This is a general purpose contact cleaner for applications requiring lubrication. It is a fast-drying, plastic-safe solvent cleaner that leaves behind a thin film of dry electronics-grade silicone.

The solvent system effectively dissolves oil and organic residues, and assists the removal of oxidation with a brush. Also, it is fast evaporating, so serviced devices can quickly be returned to use.

The silicone provides lubrication, preventing wear and tear, as well as a layer of protection from oxidation and the elements. It is very thermally stable. It will not significantly dry out over time and has a maximum service temperature of 200 °C (392 °F). It is non-conductive, so shorts are not a concern, yet it goes on so thin that it does not significantly inhibit electrical connections. In addition, the dry lubrication makes it better for dusty environments than mineral oil alternatives.

This product is useful in a variety of electronics applications such as contacts, connectors, jacks, switches, and battery terminals. It is also useful for lubricating delicate sliding metal parts, such as telescoping antennas.

**NSF** Nonfood Compounds Program Listed K2 Registration #141798

- Very fast-dry cleaner
- Dry silicone lubrication
- Safe on plastics
- Reduces wear and abrasion
- Protects from oxidation
- Maximum service temperature 200°C (392 °F)
- Variable valve allows user to control the rate of flow
- Registered with NSF for use in and around food processing establishments.



Cat. Number	Net Volume		Net Weight		Form	Packaging
404B-140G	188 mL	6.35 fl oz	140 g	4.93 oz	Aerosol	Spray can
404B-340G	457 mL	15.4 fl oz	340 g	11.9 oz	Aerosol	Spray can



## Electrosolve™ Contact Cleaner

A plastic-safe, fast-dry, zero residue general purpose contact cleaner for applications where lubrication is not desired. It is effective at dissolving oils and non-polar residues, and for assisting with the removal of oxidation using a brush.



Nonfood Compounds  
Program Listed K2  
Registration #141798

- Safe on plastics
- Zero Residue
- Very fast evaporation
- Variable valve allows user to control rate of flow
- Registered with NSF for use in and around food processing establishments

Cat. Number	Net Volume		Net Weight		Form	Packaging
409B-140G	188 mL	6.35 fl oz	140 g	4.93 oz	Aerosol	Spray can
409B-340G	457 mL	15.4 fl oz	340 g	11.9 oz	Aerosol	Spray can

## Super Contact Cleaner with PPE /

### Super Contact Cleaner Pen

A contact cleaner that cleans, lubricates and protects. It contains a slow-drying plastic-safe solvent that removes stubborn residues, an electronic grade mineral oil for lubrication, and Polyphenyl Ether (“PPE”) for enhanced conductivity and long term protection from oxidation. PPE bonds onto the surface of metals, enhancing conductivity and preventing oxidation, and is particularly effective on gold, protecting gold contacts permanently. Available in aerosol or convenient pen format

For use on contacts, connectors, jacks, potentiometers, tuners, switches, battery terminals, and many more electronics applications.



- Plastic-safe
- Improves conductivity
- Reduces connection, wear, and abrasion failures
- Protects from oxidation
- Protects gold contacts for life
- Variable valve allows user to control rate of flow
- Also available in pen format (801C-P)

Cat. Number	Net Volume		Net Weight		Form	Packaging
801B-125G	155 mL	5.24 fl oz	125 g	4.40 oz	Aerosol	Spray can
801C-P	10 mL	0.33 fl oz	7.7 g	0.27 oz	Aerosol	Spray can

# SPECIALTY CLEANERS

MG Chemicals formulates a number of speciality cleaners for the electronics maintenance industry.

## Audio Video Head Cleaner

MG Chemicals Audio/Video Head Cleaner was designed and tested to provide optimal cleaning power while remaining safe for your equipment. Use for cleaning and restoring sensitive magnetic and optical read/write heads.



- Safe on plastics
- Removes static and hiss
- Static free
- Zero residue

Cat. Number	Net Volume		Net Weight		Form	Packaging
407C-250ML	250 mL	8.45 fl oz	447 g	15.7 oz	Liquid	Bottle

## Label and Adhesive Remover

MG Chemicals Label and Adhesive Remover effectively removes labels, adhesives, and residues without damaging plastics, paints, or coatings. For paper labels, simply spray on, wait a few minutes, then pull off the label and wipe the residue clean. For laminated labels, scrape off the lamination, spray product on surface, wait a few minutes, then pull off the remaining paper label and wipe the residue clean.



Nonfood Compounds  
Program Listed K2  
Registration #141798



- Efficiently removes labels
- Cleans sticky residues
- Plastic safe
- Safe on most paints and coatings
- CARB Compliant
- Registered with NSF for use in and around food processing establishments.

Cat. Number	Net Volume		Net Weight		Form	Packaging
8361-140G	157 mL	5.3 fl oz	140 g	4.9 oz	Aerosol	Bottle
8361A-P	10 mL	0.3 fl oz	8.2 g	0.28 oz	Liquid	Can

## Rubber Renue™

Rubber Renue restores old rubber parts that have become hard and lost their tackiness and flexibility. First, it causes the rubber part to swell, allowing dirt to come out of its pores. Later, the solvent dries and the rubber returns to form, but tacky again, so rollers and platens have their grip back. It is great for returning flexibility to rubber belts. This product utilizes strong solvents and is not for general use in home or office. It is intended for use in professional maintenance and repair operations. Use only in well ventilated areas.



- Rejuvenates old dry hard rubber
- Restores tackiness
- Restores flexibility and elasticity
- 408A is CARB compliant\* when diluted 25% with acetone
- 408B is CARB compliant\*\* (pre-diluted)

Cat. Number	Net Volume		Net Weight		Form	Packaging
408A-125ML	125 mL	4.22 fl oz	133 g	4.01 oz	Liquid	Bottle
408B-1L	945 mL	1 qt	841 g	1.85 lb	Liquid	Can

\*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.

\*\*CARB Category and Limit: Electronics Cleaner, 75%



## Glass Cleaner

An all-purpose, non-streaking and high-foaming action glass cleaner. It can be used safely on plastic, vinyl, metal, glass, chrome and ceramics, leaving surfaces bright and clean.

- **Safe on plastics**
- **Non-streaking**
- **Foaming – sticks to vertical surfaces**
- **Variable valve allows user to control rate of flow**
- **Registered with NSF for use in and around food processing establishments.**



Cat. Number	Net Volume		Net Weight		Form	Packaging
825-500G	518 mL	1.09 pt	500 g	17.6 oz	Aerosol	Spray can

## Conformal Coatings Remover

Conformal Coating Strippers are available in liquid, gel and pen format. They remove most reworkable conformal coatings and readily remove thermoplastic (non-cross linked) acrylics, urethanes, and silicone-based conformal coatings. They also facilitate the removal of some thermoset coatings, like cross-linked silicones and polyurethanes, by softening or swelling the coat to aid with mechanical removal.

This stripper is safe for most types of PCB components. It is fully biodegradable and environmentally safe.

### Conformal Coating Stripper - Liquid

- **Liquid format allows for full immersion of PCBs**
- **Available in liquid and pen formats**

Cat. Number	Net Volume		Net Weight		Form	Packaging
8309-850ML	850 mL	1.86 fl oz	28.7 g	1.67 lb	Liquid	Can
8309-3.78L	3.78L	1 gal	3.37 kg	7.44 lb	Liquid	Can
8309-P	10 mL	0.33 fl oz	8.93 g	0.31 oz	Liquid	Pen



\*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.

\*\*CARB Category and Limit: Paint Remover 50%

## Static OFF™ Antistatic Foaming Spray

MG Chemicals' advanced non-drip Static Off™ Antistatic Foaming Spray effectively eliminates static charges with a single application. Static Off™ is safe on all surfaces and gives you a streak-free finish for improved optical clarity and distortion-free reading.

- **For use on nonporous surfaces**
- **Streak-free finish makes it ideal for cleaning transparent surfaces**
- **Eliminates static charge with one application**
- **Reduces attraction of dust and other airborne contaminants**
- **Non-drip foaming action makes it ideal for vertical surfaces**
- **Safe on all surfaces**
- **Non-flammable and non-abrasive**



Cat. Number	Net Volume		Net Weight		Form	Packaging
826-450G	465 mL	15.7 fl oz	450 g	15.8 oz	Aerosol	Spray can

### Conformal Coating Stripper - Gel

- **Ideal for spot removal**

Cat. Number	Net Volume		Net Weight		Form	Packaging
8310A-55ML	55 mL	1.86 fl oz	48.3 g	1.7 lb	Gel	Bottle
8310A-850ML	850 mL	1.79 pt	747 g	1.64 lb	Gel	Can
8310A-3.6L	3.6 L	3.8 qt	3.16 kg	6.97 lb	Gel	Can

# PRE-SATURATED WIPES

MG Chemicals offers a full line of wipes, pre-saturated with high quality cleaning solutions. These wipes are a powerful static dissipator. They are perfect for a multitude of cleaning tasks: LCD screen, optical lenses, and credit and debit card readers. Our wipes are individually packaged. The multi-purpose alcohol wipes are also available in an economical tub format.



## Clean Pad

Thick lint-free wipes pre-saturated with 91% pure isopropyl alcohol and 9% deionized water. Made from a blend of polyester and woodpulp, they are strong and durable. Individually wrapped and hermetically sealed to prevent evaporation and maintain solvent effectiveness. Ideal for cleaning sensitive contact surfaces, computers, electronic equipment, magnetic tape heads, instruments, fiber optic connectors and ferrules. Offered in 50 wipes per box packages.



- Polyester / Woodpulp thick durable fabric
- 91% pure isopropyl alcohol
- Plastic safe
- Fast evaporation
- Lint free
- Non-abrasive
- Sealed individual packaging
- 3" x 4" wipe size
- Colour: white

Cat. Number	Net Weight	Format	Packaging
824P-50	4.71 g 0.16 oz	Wipes	50 (5" x 6")

## Optical Wipe

These wipes are specially formulated for cleaning optical lenses. A special solution formula provides anti fog longer lasting clarity to optical components and is safe to use on anti-glare coated surfaces. Its durable bleached biodegradable crepe paper prevents premature ripping during use. The individually sealed wrapping provides longer solution preservation while providing the convenience of use anywhere, without having to carry a bulk container.



- Specially formulated for optical devices
- Strong bleached creped rip-free paper
- Safe to use on anti-glare coated lenses
- Provides longer lasting clarity
- Biodegradable
- Individually packaged
- Size: 5" x 6"
- Color: white

Cat. Number	Net Weight	Format	Packaging
8243-WX25	1.2 g	N/A	Wipes 25 (5" x 6")





## Multi-Purpose Alcohol Wipes for Electronics

General all-purpose low lint 70/30 Isopropyl Alcohol blend pre-saturated wipes. Safe on plastics. Made from a blend of polyester and woodpulp, they are strong and durable. A convenient tub provides easy dispensing and keeps the wipes wet and effective when the sealed cover stays in place. This product is compliant with food safety regulations in Canada (CFIA) and Internationally (NSF) making it the ideal cleaner and disinfectant for use in and around food processing establishments. Offered in 75 wipes tubs or 25 individually wrapped and sealed boxes.



- 70/30 Isopropyl blend
- Polyester / woodpulp thick durable fabric
- Plastic safe
- Moderate evaporation
- Low lint
- Non-abrasive
- Convenient
- CARB Compliant
- Registered with NSF for use in and around food processing establishments.
- Bulk packaging or Individual sealed wrap
- 6" x 7" wipe size
- Colour: White



Cat. Number	Net Weight	Format	Packaging
8241-T <sup>a)</sup>	172 g 6.0 oz	Tub	75 (6" x 7")
8241-WX25 <sup>b)</sup>	2.5 g 0.08 oz	Wipes	25 (5" x 6")
8241-WX50 <sup>b)</sup>	2.5 g 0.08 oz	Wipes	50 (5" x 6")
8241-WX500 <sup>b)</sup>	2.5 g 0.08 oz	Wipes	500 (5" x 6")

a) Pack of 12 tubs

b) Individually wrapped wipes

## Isopropyl Alcohol Wipe

Handy general purpose cloth type wipes pre-saturated with 99.95% isopropyl alcohol. Made from a blend of polyester and woodpulp they are strong and durable. Each wipe is wrapped and sealed individually to prevent solution evaporation and maintain its full effectiveness. Ideal format for field repair & maintenance work. Quick and convenient. Offered in boxes of 25, 50 or 500 wipes.



- 99.95% isopropyl alcohol
- Polyester / Woodpulp thick durable fabric
- Plastic safe
- Moderate evaporation
- Zero lint
- Non-abrasive
- Sealed individual packaging
- 5" x 6" wipe size
- Colour: White

Cat. Number	Net Weight	Format	Packaging
824-WX25	2.5 g 0.09 oz	Wipes	25 (5" x 6")
824-WX50	2.5 g 0.09 oz	Wipes	50 (5" x 6")
824-WX500	2.5 g 0.09 oz	Wipes	500 (5" x 6")

# PRE-SATURATED WIPES

## LCD Screen Cleaning Kit

MG Chemicals LCD Screen Cleaning Kit is made of an advanced non-drip gel static free formula, that will safely and effectively clean the toughest residues from your LCD and Plasma screens, and an absorbent high quality microfiber cleaning cloth that leaves surfaces lint-free, streak and residue-free.

- **Advanced non-drip gel formula**
- **Specially formulated for LCD and plasma screens**
- **Lint-free**
- **Anti-static**
- **Streak-free**
- **Cloth size: 12" x 12"**
- **Cloth color: blue**



Cat. Number	Net Volume		Net Weight		Format	Packaging
8242-K	200 mL	6.8 fl oz	N/A	N/A	Wipes	Kit

## LCD Cleaning Wipes (Single pack)

New individually sealed packs allow you to always have a cleaning wipe handy when needed. Made of a durable bleached creped biodegradable paper that prevents premature ripping during use. The gentle formula of these specialty wipes will clean effectively, without leaving lint or streaks, and will not drip. The antistatic barrier left behind repels dust. Also effective for cleaning telephones, keyboards, peripherals, or desktops. Available in 25 wipes per box.

- **New and improved formula**
- **Strong bleached creped rip-free paper**
- **Safely cleans LCD screens**
- **Lint-free**
- **Anti-static**
- **Streak-free**
- **Biodegradable**
- **Sealed individual packaging**
- **Size: 5" x 6"**
- **Color: white**



Cat. Number	Net Volume		Net Weight		Format	Packaging
8242-WX25	N/A	N/A	1.5 g	0.05 oz	Wipes	25 (5" x 6")

# DRY WIPES

MG Chemicals' line of dry wipes effectively and easily removes dust, lint, oils and other liquids from delicate equipment. Great for cleaning and dusting monitors, keyboards, telephones, printers, optical surfaces, lab equipment, and other precision instrumentation.



## Optiwipes

Super soft hydroentangled polyester fiber. Excellent absorbency and strength when mopping up spills and cleaning solutions. Qualifies for use in controlled environments that maintain a low level of pollutants, such as dust, airborne microbes, aerosol particles and chemical vapors. Use to clean optical surfaces, photo processing, lab equipment, and other precision instrumentation.

- **Strong textured polyester fabric**
- **Zero lint**
- **4" x 4" wipe size**
- **Colour: white**



Cat. Number	Pieces	Form	Packaging
828-4x4	100 (4"x 4") wipes	Single	Box

## Hydrowipes

General purpose wipes made from a super absorbent hydro entangled nonwoven blend of cellulose and polyester. It is pure, super-absorbent, versatile and economical. Qualifies for use in controlled environments that maintain a low level of pollutants such as dust, airborne microbes, aerosol particles, and chemical vapors.

- **Strong non-woven blend of cellulose and polyester**
- **Super absorbent**
- **Zero lint**
- **8" x 9" wipe size**
- **Colour: white**

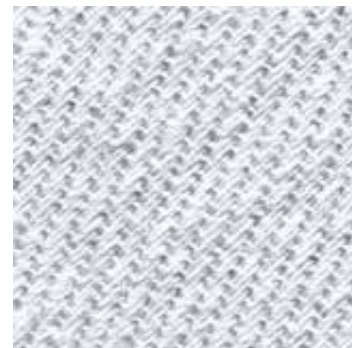


Cat. Number	Pieces	Form	Packaging
8282-300	300 (8"x 9") wipes	Single	Box

## Twillwipes

Super soft hydroentangled polyester fiber. Excellent absorbency and strength when cleaning up spills and solvents. Qualifies for use in controlled environments that maintain a low level of pollutants such as dust, airborne microbes, aerosol particles, and chemical vapors. Use to clean optical surfaces, photo processing, lab equipment, and other precision instrumentation.

- **100% cotton twill weave**
- **Strong texture cotton**
- **Super absorbent: absorbs three time its own weight**
- **Solvent resistant**
- **Thermally stable**
- **Zero lint**
- **Static free**
- **4"x4" and 9" x 9" wipe sizes**
- **Colour: White**



Cat. Number	Pieces	Form	Packaging
829-4x4	100 (4"x 4") wipes	Single	Box
829-50	50 (9"x 9") wipes	Single	Box

# SWABS

MG Chemicals' line of swabs are offered in chamois, cotton and urethane varieties. Whether you need a round, tapered or rectangular tip shape you will find the right configuration for your general and precision cleaning applications.

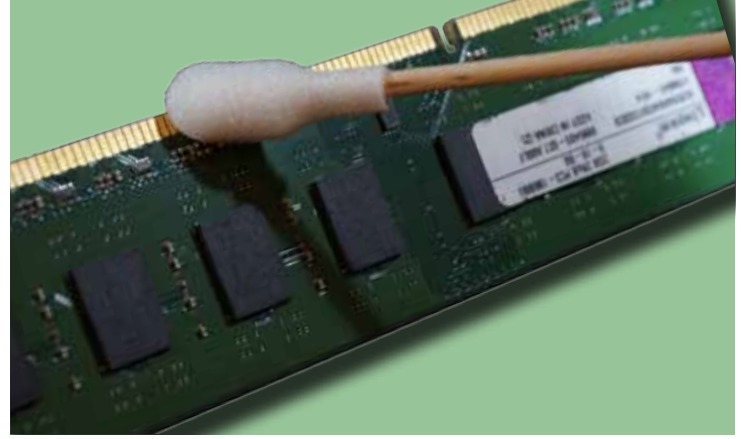
## Double Headed Cotton Swabs

A double-headed low lint, extra absorbent U.S.P. pharmaceutical grade, purified round cotton tip swab. Bonded on a 6" rigid white birch staff for extra resistance when applying pressure is needed. Available in packages of 100.

- **Pharmaceutical grade**
- **Use for cleaning lenses and optical devices**
- **Special construction eliminates migration of chemicals with adhesives for cleaning**
- **No glue used on tip**
- **Small cotton tip**
- **Wood handle is naturally biodegradable**



Cat. Number	Pieces	Packaging
811-100	100	Bag



## Tapered Cotton Swabs

A double-headed low lint, extra absorbent U.S.P. pharmaceutical grade purified tapered cotton tip swab providing added precision. Bonded on a 6" rigid white birch staff for extra resistance when applying pressure is needed. Available in packs of 100.

- **Pharmaceutical grade purified cotton**
- **Tapered tip for added precision**
- **Compatible with most solvents**
- **Rigid wood staff**
- **Soft and non-abrasive**



Cat. Number	Pieces	Packaging
8112-100	100	Bag

## Chamois Swabs

The ideal swab for your audio/video magnetic heads and optical pick ups. Made from a lint free, synthetic suede bonded to a bendable plastic handle, it facilitates access to hard-to-reach areas. Available in single or double-headed formats.

- **Synthetic chamois cloth head**
- **Flexible, formable plastic handle**
- **Free of oil and residues**
- **Soft and non-abrasive**
- **Tightly wrapped**
- **Bonded without adhesives**
- **Seamless construction**



Cat. Number	Pieces	Packaging
810-15	15	Bag
810-50	50	Bag
810-500	500	Bag



Cat. Number	Pieces	Packaging
810D-15	15	Bag
810D-50	50	Bag
810D-500	500	Bag

## Foam Swabs

A durable precision cleaning applicator, shred resistant, made from 100% urethane foam head with 100 PPI porosity. Bonded securely to a 6" birch shaft providing extra strength when additional pressure needs to be applied. Available in packs of 10, 50, 250 and 1000

- **Pharmaceutical grade purified cotton**
- **General cleaning swab**
- **Used in electronic assembly and medical device manufacturing**
- **Removing contamination in static sensitive environments**
- **Ideal for applying adhesives or other solvents**
- **Lint and residue free**
- **Can be used with IPA and DI water or dry**
- **Soft and non-abrasive**

Cat. Number	Pieces	Packaging
813-10	10	Bag
813-50	50	Bag
813-250	250	Bag
813-1000	1000	Bag



## Foam Over Cotton Swabs

A highly absorbent precision cleaning applicator. Shred resistant, 100% urethane foam heads with 100 PPI porosity over extra absorbent U.S.B. pharmaceutical grade purified cotton. Bonded securely to a 6" birch shaft providing extra strength when additional pressure must be applied. Available in packs of 10, 50, 250, 1000

- **Critical-environment cleaning swab**
- **Foam-over-cotton head**
- **Wood handle**
- **Soft and non-abrasive**

Cat. Number	Pieces	Packaging
812-10	10	Bag
812-50	50	Bag
812-250	250	Bag
812-1000	1000	Bag



## Rectangular Foam Swabs

Large rectangular foam head bonded to a sturdy handle for aggressive cleaning applications. Large shred resistant, 100% urethane foam heads with 100 PPI porosity. Bonded securely to a 5 inch polypropylene shaft. Available in packs of 10, 50, 250, 1000.

- **100% urethane oversized foam head**
- **Sturdy handle**
- **Highly absorbent hydrophilic foam tip**
- **Fast wet wipe characteristics**
- **Large surface area ideal for cleaning parts with DI water or IPA**
- **Used for surface hygiene testing**
- **Resists smearing and streaking**
- **Propylene shaft**
- **Easy disposal, burnable**
- **Class 100 - 1000**

Cat. Number	Pieces	Packaging
814-10	10	Bag
814-50	50	Bag
814-250	250	Bag
814-1000	1000	Bag



## Anti-Static Foam Over Cotton

An Antistatic foam head over extra absorbent U.S.B. pharmaceutical grade purified cotton. Bonded securely to a 6" birch shaft providing extra strength when additional pressure needs to be applied. Compatible with most solvents. Available in packs of 10, 250 and 1000.

- **Pharmaceutical grade purified cotton**
- **General cleaning swab**
- **Used in electronic assembly and medical device manufacturing**
- **Removing contamination in static sensitive environments**
- **Ideal for applying adhesives or other solvents**
- **Lint and residue free**
- **Can be used with IPA and DI water or dry**
- **Soft and non-abrasive**

Cat. Number	Pieces	Packaging
812AS-10	10	Bag
812AS-250	250	Bag
812AS-1000	1000	Bag



# BRUSHES

MG Chemicals brushes enhance the delivery of your cleaner, and remove loose debris that chemical cleaners alone cannot. Offered in premium grade stainless steel, brass, horse hair and hog hair bristles. Handles come in a selection of wood, stainless steel, cad plated steel, or tin. Depending on your needs you can choose from abrasive or non-abrasive.

## Stainless Steel Cleaning Brush

A 3-row heavy duty toothbrush-style scratch brush with stainless steel bristles and long plywood handle. Great for cleaning soldering iron tips. Great for cutting corrosion. A great surface scratcher, it is perfect for solder surface preparation. An excellent utility brush.

- Strong plywood handle
- Secured stainless steel bristles eliminating bristle loss and contamination
- 7 3/4" x 7/16" plywood handle
- 7/16" trim length
- 3 wide x 7 long bristle rows
- Brush surface 1 3/8" x 1/4"



Cat. Number	Pieces	Packaging
850	1	Bag

## Brass Cleaning Brush

A 3-row heavy duty toothbrush-style scratch brush with brass steel bristles and long plywood handle. Great for removing oxides and corrosion from male and female connector ends, burnishing without removing base metal and cleaning soldering iron tips.

- Heavy duty scraping and brushing
- Strong plywood handle
- Secured brass steel bristles eliminating bristle loss and contamination
- 7 3/4" x 7/16" plywood handle
- 7/16" trim length
- 3 wide x 7 long bristle rows
- Brush surface 1 " x 1/4"



Cat. Number	Pieces	Packaging
851	1	Bag

## Hog Hair Cleaning Brush

A 3-row toothbrush-style general cleaning scratch brush. Made of natural stiff hog hair bristles with a long plywood handle. Makes a great soldering tool that can be used for a wide variety of cleaning applications. It is excellent for removing flux and general clean up. Can be used dry or wet. Works well with sticky or crusty materials.

- Strong plywood handle
- Secured hog hair bristles eliminating bristle loss and contamination
- 7 3/4" x 7/16" plywood handle
- 7/16" trim length
- 3 wide x 7 long rows
- Brush surface 1 3/8" x 1/4"



Cat. Number	Pieces	Packaging
852	1	Bag

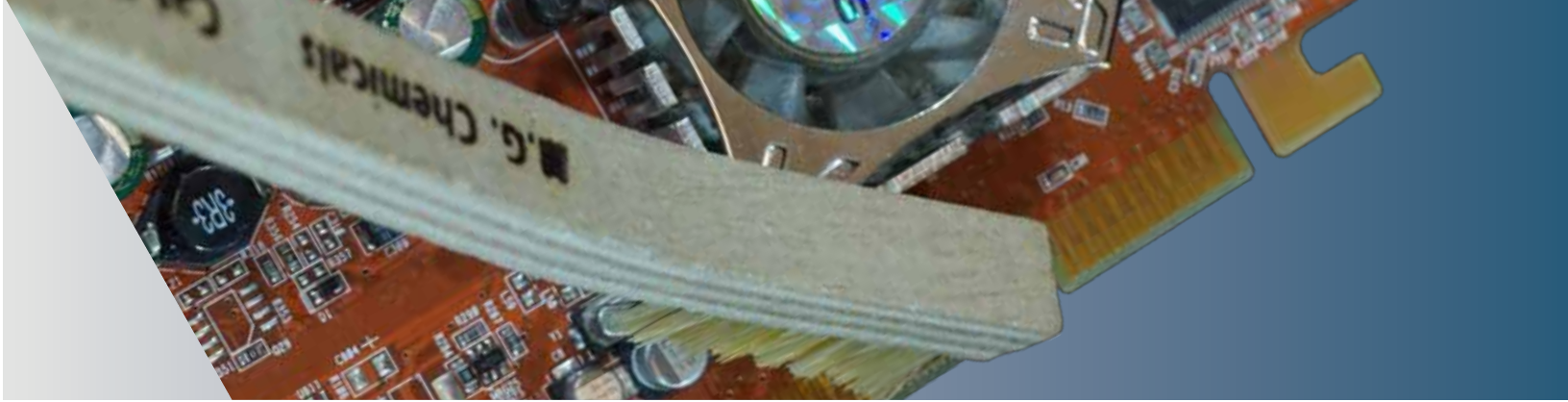
## Large Hog Hair Cleaning Brush

A large, tuft-patterned, natural stiff hog hair general cleaning brush that makes cleaning larger surface areas easier and quicker. It features a 1" wide by 8 3/8" long plywood handle. It is excellent for removing flux, can be used on dry or wet surfaces, works well with sticky or crusty material and can also be used for general cleaning tasks.

- Strong plywood handle
- Secured natural hog hair bristles eliminating bristle loss and contamination
- Stiff bristles
- 8 1/4" x 1 1/16" plywood handle
- 3/4" trim length
- 4 wide x 9 long bristle rows
- Brush surface 2 1/8" x 7/8"



Cat. Number	Pieces	Packaging
853	1	Bag



## Horse Hair Cleaning Brush

A small, inexpensive, high precision general cleaning brush with natural horse hair bristles and a sturdy tin handle. Soft durable bristle brush that works well for dusting, cleaning with fluids and general cleanup. Brushes are tested for bristle resistance for the most rigorous tasks.

- Sturdy tin handle
- Secured natural horse hair bristles eliminating bristle loss and contamination
- Soft bristles
- 5 1/4" x 3/8" tin handle
- 3/4" trim length
- Brush face 1/2" wide



Cat. Number	Pieces	Packaging
855	1	Bag
855-144	144	Box

## Chisel Hog Hair Cleaning Brush

A hog hair brush with a vertical style chiseled short plywood handle. Excellent for removing flux and general clean up and can be used dry or with fluids.

- Strong plywood handle
- Secured natural hog hair bristles eliminating bristle loss and contamination
- 4 15/16" x 1 1/16" handle
- 1/2" trim lengths
- 3/4" x 5/16" trim length
- 2 wide x 6 long bristle rows
- Brush face 7/8" x 3/8"



Cat. Number	Pieces	Packaging
857	1	Bag

## Double Horse Hair Cleaning Brush

A double-ended, inexpensive cleaning brush. Made of short natural horse hair bristles and a cad plated steel handle, it is ideal for heavy duty scrubbing. One end is chiseled to clean hard-to-reach and tight corners, and the other is straight for precision cleaning and coating.

- Stiff stainless steel handle
- Secured natural horse hair bristles eliminating bristle loss and contamination
- One end chiseled brush
- 4 1/2" handle
- 1/4" trim length
- Brush face 1/2" wide



Cat. Number	Pieces	Packaging
856	1	Bag

## Horse Hair Cleaning Brush

A 3-row toothbrush style general cleaning scratch brush. Made from natural soft horse hair bristles with a long plywood handle. Excellent for removing flux residues, sticky or crusty materials it can also be used for general cleaning.

- Strong plywood handle
- Secured natural horse hair bristles eliminating bristle loss and contamination
- 7 3/4" x 7/16" handle
- 7/16" trim lengths
- 3 wide x 7 long rows
- Brush face 1 3/8" x 1/4"



Cat. Number	Pieces	Packaging
859	1	Bag



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