

HEAT TOOLS • CHEMICAL CLEANERS & ACCESSORIES

VARIABLE TEMPERATURE HEAT GUN

Just Added



- Output: 1400 Watts
- Voltage: 120 VAC/60Hz
- Variable Temperature: Up to 1050°F
- 3 Stage Airflow: Cool Air, 140°F Low Speed High Speed
- Industrial grade rubber power cord
- Double insulated for safe operation
- Reinforced heating element for longer life
- One year warranty



Variable temperature heat gun featuring 2 airflow settings with heat and selectable cool air stage for maximum user control. This model also has a soft grip handle for comfortable operation. Optional heat nozzles available on pages 1-2256

Mfg. Part No.	Description	Stock No.	Price 1-4
● SPC20538	Variable Temperature Heat Gun	02M6855	57.94

(89398)

VARIABLE TEMPERATURE HEAT GUN KIT



Just Added

Kit Includes:

- Variable Heat Gun, SPC Type No. (SPC20538)
- 3" (75mm) Spreader Nozzle, SPC Type No. (SPC20540)
- 1 1/4" (39mm) Reflector Nozzle, SPC Type No. (SPC20541)
- Heavy Duty Carrying Case
- One year warranty



Mfg. Part No.	Description	Stock No.	Price 1-4
● SPC20537	Variable Temperature Heat Gun Kit	02M6854	73.75

(89399)

HEAT GUN NOZZLES

Just Added



Material heavy gauge nickel plated steel. One year warranty.



SPC20540

SPC20541

Mfg. part No.	Description	Stock No.	Price 1-9
● SPC20540	Heat Gun Spreader Nozzle, 3" (75mm)	02M6857	12.00
● SPC20541	Heat Gun Reflector Nozzle, 1 1/4" (39mm)	02M6858	12.00

(89397)

NOVEC™ AEROSOL CLEANERS



- Non-flammable
- Low toxicity
- Non-ozone depleting
- Non-corrosive
- Fast drying, virtually no residue
- Contains no HCFC's, HFC's, nPB or HAP's

Based on proprietary 3M solvent technology, Novec™ aerosol cleaners are designed to remove tough soils – while reducing the impact on people and the environment. They offer a responsible alternative to HCFC 141b-based cleaners.



Contact Cleaner

5-Way-Penetrant

Mfg. part no. 051135-71699 Novec™ contact cleaner effectively removes light oils, greases, silicones, dust and particulates from sensitive electronic and electrical equipment. It is compatible with plastics and can be used on energized equipment or components.

Mfg. part no. 051135-71698 Novec™ electronic degreaser effectively removes oils, greases and handling soils from electric motors, electrical equipment, precision devices and other electro-mechanical or sensitive devices. Industrial strength cleaner. Test on plastics before using – may damage acrylics, polycarbonates, ABS and PS.

Mfg. part no. 051135-71697 Novec™ flux remover removes rosin solder fluxes, waxes and similar contaminants. It is also effective in removing hydrocarbon, silicone and fluorochemical oils and greases from such as electric motors, generators, precision devices and other electromechanical or sensitive equipment. Test on plastics before using – may damage acrylics, polycarbonates, ABS and PS.

Mfg. part no. CITRUS BASED CLEANER is a liquid cleaner/degreaser that can be used to dissolve and remove dirt, grease, tar, and many non-curing type adhesives. It can also be used to degrease substrates for adhesive bonding in place of many chlorinated or petroleum-based solvents.

Mfg. part no. 5-WAY-PENETRANT displaces moisture and dries out electrical apparatus. Helps prevent shorting and increases conductivity. Inhibits rust. Frees rusted bolts, lubricates and cleans, drives out moisture. Also excellent as a tapping liquid for stainless steel and aluminum.

Mfg. Part No.	Description	Stock No.	Price Each
NOVEC(TM) CONTACT	Contact Cleaner, 11 oz.	78K7084	22.41
NOVEC(TM) ELECTRONIC DEGR	Electronic Degreaser, 12 oz.	78K7083	21.12

➔ CONTINUED ➔

NOVEC™ AEROSOL CLEANERS (CONT.)

Mfg. Part No.	Description	Stock No.	Price Each
NOVEC(TM) FLUX REMOVER	Flux Remover, 12 oz.	78K7082	21.12
● CITRUS-BASED-CLEANER-24OZ	Industrial Cleaner, 24 fl. oz.	93K5577	23.85
● 5-WAY PENETRANT	5-Way-Penetrant, 24 fl. oz.	93K5585	15.45

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MAINTENANCE AND CLEANING PRODUCTS



Dose "n" Fill Cleaning System Starter Kit



Neutral Quat Disinfectant Cleaner Concentrate



Doodleduster Cloth

All purpose cleaner concentrate is designed for general cleaning tasks including floors, walls, countertops, desks and many other painted and washable surfaces.

Mfg. Part No.	Description	Packaging	Stock No.	Price Each
048011 34747	All Purpose Cleaner Concentrate	1 gal.	93K7967	61.83

DOSE 'N' FILL CLEANING SYSTEM

Dose 'n fill cleaning system is a compact, environmentally friendly and cost-efficient chemical management system that is ideal for any size facility. Each Starter Kit contains one ready-to-use quart, one dosing cartridge with concentrate for making six or eight more quarts and one free storage caddy. Each Cartridge contains enough concentrate for making six or eight quarts.

048011 54109	Dose "n" Fill Cleaning System-All-Purpose Cleaner & Degreaser Starter Kit	1qt. w/ dosing cartridge	93K7969	27.09
048011-54111	Dose "n" Fill Cleaning System-Glass Cleaner Starter Kit	32 oz. + cartridge	93K7970	20.87

HEAVY DUTY DEGREASER CONCENTRATE

Heavy duty degreaser concentrate is a powerful degreaser concentrate. Ideal for cleaning machinery, engines, factory floors, tools, trucks and metal parts. Heavy duty degreaser quickly penetrates grease, oil and a variety of soils.

048011 34782	Heavy Duty Degreaser Concentrate	1 gal.	93K7968	15.91
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NEUTRAL QUAT DISINFECTANT CLEANER CONCENTRATE

A one-step, low-level, hospital grade quaternary disinfectant cleaner kills HIV-1, MRSA, VRE, Herpes Simplex I and II, and other pathogens. Rinse-free, low foaming, neutral formula. EPA-registered.

048011 34746	Neutral Quat Disinfectant Cleaner Concentrate	1 gal.	93K7966	161.79
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SHARPSHOOTER™ EXTRA STRENGTH NO-RINSE CLEANER

Sharpshooter™ Cleaners ready-to-use, no-rinse cleaner removes tough stains like grease, crayon and black heel marks. NSF rating: C-1. Available in ready-to-use quarts or 5 gallon dispenser container.

048011 16861	Sharpshooter Extra Strength No-Rinse Cleaner	1 qt.	93K7962	8.57
048011 13702	Sharpshooter Extra Strength No-Rinse Cleaner	5 gal.	93K7961	100.15

TROUBLESHOOTER™ LIQUID FINISH REMOVER

Liquid Troubleshooter™ sprayable foam formula removes soil and finish buildup. Use on baseboards, floor edges, corners, stairways and ceramic tile. Ready-to-use quarts.

048011 29524	TroubleShooter Liquid Finish Remover	1 qt.	93K7965	18.90
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DOODLEDUSTER™ PRODUCTS AND FLOOR CLEANING PADS

Doodleduster™ cloth is untreated, microfiber disposable cloth that leaves no slippery, sticky residue. Ideal for dusting floors before and after burnishing or prior to recoating. Rugged, yet lightweight holders feature flexible sidewall and are low profile for easy maneuverability. Convenient clips for easy attachment and removal of Doodleduster™ cloth. Specially designed for spray buffing. Cleans when damp; buffs when dry. **Red Buffer Pad 5100** is specially designed for spray buffing. Cleans when damp; buffs when dry. Quickly cleans and removes scuff marks and enhances floor appearance. **Blue Cleaner Pad 5300** blue cleaner pad is for heavy duty scrubbing prior to recoating. Removes dirt, spills and scuffs, leaving a clean surface ready for recoating.

048011 08394	Red Buffer Pad 5100	case of 5	93K7959	37.72
048011 08412	Blue Cleaner Pad 5300	case of 5	93K7960	37.72
048011 19150	Doodleduster Holder	1	93K7963	47.55
048011 19152	Doodleduster Cloth	1	93K7964	87.83

(88682)

Talk to our team of engineers.

Chat live online with our expert technical team or connect to them by phone. Go online or call us today.

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CHEMICAL CLEANERS & ACCESSORIES

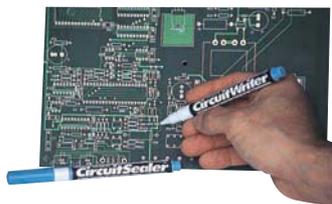
CircuitWriter™ AND CircuitSealer™ CONDUCTIVE INK AND CONFORMAL COATING



- Makes Instant Silver Conductive Traces on Most Surfaces
- Ideal for Electronic Design Prototype and Repair

APPLICATIONS:

- Design
- Prototype
- Shield
- Connect
- Jumpers
- Repairs



CircuitWriter™ features a highly conductive polymer for use on a variety of applications and materials. It is designed to draw traces on circuit boards, repair defective traces, make jumpers, shield electronics, design prototype circuits & repair rear-window heater traces.

CircuitSealer™ is a protective coating for sealing, insulating surfaces from moisture, abrasion, chemicals, fungus and other environmental hazards.

CircuitWriter™

Mfg. Part No.	Description	Size	Stock No.	Price Each
● CW100P	CircuitWriter™ Conductive Ink Pen	5g	08H0318	18.18
● CW100L-4	CircuitWriter™ Conductive Ink	125g	96H6677	164.83

CircuitSealer™

● CS100P	CircuitSealer™ Conformal Coating Pen	7ml	08H0317	15.75
● CS100L-12	CircuitSealer™ Conformal Coating Liquid	354ml	49H8567	27.90

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DeoxIT® CONTACT CLEANER, REJUVENATOR, LUBRICANT AND SEALANT



D100P

DN5S-6N

DN5MS-15

D50W

D100L-2DB

D100L-25C

- Dissolves Oxidation and Corrosion
- Cleans, Lubricates and Seals
- Reduces Intermittent Connections
- Improves Signal Quality and Data Speeds

- Reduces Arcing and RFI
- Reduces Wear and Abrasion
- Improves the Flow of Electricity
- Temperature Range, -34°C to 200°C

DeoxIT® dissolves oxides and sulfides that form on metal contact surfaces, removing the sources of resistance. This restores the contact's integrity and leaves a thin (organic) layer that coats and seals the metals. When contact surfaces are exposed to dust, smoke, soot, and other solids suspended in the atmosphere, non-metallic films can form, inhibiting conductivity. Metal oxide formation is the most common cause of oxidation. Salt laden air in coastal areas corrodes metals, forming chloride films. DeoxIT's® unique properties allow it to work on stationary or moving contacts and connectors with similar or dissimilar metals. Its advanced formula contains deoxidizers, preservatives, conductivity enhancers, arcing and RFI inhibitors and anti-tarnishing compounds that significantly increase the performance and reliability of electrical equipment.

NOTE: After cleaning with DeoxIT®, apply DeoxIT GOLD® (indoor applications) or DeoxIT SHIELD® (harsh environments; water, salt, pollution) for maximum performance and protection.

Why CAIG products are different:

1. FIRST, you must really clean contacts and connectors

Simple contact "cleaners" wash away dirt, dust, and grime, but prove ineffective at removing oxidation and surface sulfides. These tough contaminants actually attach to and become an integral part of the contact metal. This issue causes increased unnecessary service calls for covered warranty repairs that could have been prevented, translating into literally millions of dollars of lost revenue for service organizations. The only true method of eliminating oxidation and surface sulfides is by chemical action and reaction, and that's what puts CAIG's DeoxIT® and DeoxIT GOLD® products in a class by themselves.

2. Next, you want enhancement - to improve conductivity

DeoxIT® and DeoxIT GOLD® are designed to improve the flow of electricity between metal surfaces. These products are initially non-conductive liquids, when subjected to an electrical field, DeoxIT® and DeoxIT GOLD® promote current flow. No short circuits will occur. In both states, DeoxIT®, DeoxIT GOLD® and DeoxIT SHIELD® have resistances high enough to prevent short circuits.

3. Finally, you need long-lasting protection - for improved reliability

DeoxIT®, DeoxIT GOLD® and DeoxIT SHIELD® protect metal surfaces in two ways. First they mechanically bond, on a molecular level, to seal the metal surface. Second, the thin film moves as the contact is disturbed by vibration or another contact surface. In effect, the product(s) re-coat exposed surfaces. This is especially important on equipment subject to vibration. Greases, silicones, polymers and PPE's cannot reseal exposed surfaces. Once exposed or re-inserted they need to be re-applied.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● D5MS-15	DeoxIT D5 Mini-Spray, flushing action, slow dry	14g	08H0310	10.89
● D5S-6	DeoxIT D5 Spray flushing action, slow dry	142g	08H0311	18.18

➤ CONTINUED ➤

DeoxIT® CONTACT CLEANER, REJUVENATOR, LUBRICANT AND SEALANT (CONT.)

Mfg. Part No.	Description	Size	Stock No.	Price Each
● DN5MS-15	DeoxIT DN5 Mini-Spray, nonflammable, quick dry - non-drip	14g	42J5217	12.11
● DN5S-6N	DeoxIT DN5 Spray, nonflammable, quick dry - non-drip	163g	42J5218	26.69
● D100P	DeoxIT Pen, nonflammable	6ml	08H0319	20.61
● D50W	DeoxIT Wipes, nonflammable	50 count	08H0320	18.18
● D100L-2DB	DeoxIT Brush Dispenser, nonflammable, 100% solution	7.4ml	49H8608	18.18
● D100L-25C	DeoxIT Needle Dispenser, nonflammable, 100% solution	25ml	08H0309	29.12
● D5L-25C	DeoxIT Needle Dispenser, flammable, 5% solution	25ml	42J5219	21.83

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DeoxIT Gold® (formerly ProGold) CONDITIONER AND PROTECTOR



GNS Spray

G5 Mini Spray

G100L Brush Dispenser



DeoxIT® GOLD Pen

DeoxIT® GOLD Wipes

DeoxIT® GOLD Needle Dispenser

- Ideal for gold plated surfaces
- For Critical and Low Signal Applications
- Improves Conductivity and Maintains Optimum Signal Quality

- Prevents Dendrite and Fretting Corrosion
- Prevents Data Errors, Lockups and Intermittents
- Protects Base Metals from Oxidation
- Reduces Arcing, RFI, Wear and Abrasion

DeoxIT® GOLD	G100L	GX, GX100L*
Temperature Range:	-34°C to 240°C	-45°C to 310°C

* For details, go online or call.

DeoxIT® GOLD (formerly ProGold) is specifically formulated to improve conductivity, lubricate and protect plated connectors and contacts for maximum performance and protection. It deoxidizes minor amounts of surface contamination, and penetrates plated surfaces and molecularly bonds to the base metals. Unlike other products, it also stabilizes connections between similar and dissimilar metals. Provides long-lasting protection on gold, as well as silver, rhodium, copper, nickel and other precious metals connectors and contacts.

NOTE: On oxidized/corroded surfaces, pre-clean with DeoxIT®. For severe environments (humidity, salt, pollution, etc.), treat with DeoxIT® and finish with DeoxIT® SHIELD.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● GN5S-6N	DeoxIT GOLD®, GN5 Spray (Nonflammable, quick dry - non drip)	163 g	42J5221	32.76
● G5MS-15	DeoxIT Gold G5 Mini-Spray (flushing action, slow dry)	14 g	08H0313	12.11
● GN5MS-15	DeoxIT GOLD®, GN5 Mini-Spray (nonflammable, quick dry - non drip)	14 g	42J5220	13.32
● G5S-6	DeoxIT® GOLD G5 Spray (flushing action, slow dry)	142 g	08H0314	25.47
● G100P	DeoxIT® GOLD Pen, nonflammable	6.0 ml	08H0321	27.90
● G50W	DeoxIT® GOLD Wipes, nonflammable	50 count	08H0322	25.47
● G100L-2DB	DeoxIT® GOLD, Brush, 100% nonflammable	7.4 ml	08H0312	26.69
● G5L-25C	DeoxIT® GOLD, Needle, 5% flammable	25 ml	42J5222	33.98
● G100L-25C	DeoxIT® GOLD G100L Needle Dispenser, 100% nonflammable	25 ml	49H8893	52.20

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CHEMICAL CLEANERS & ACCESSORIES

DeoxIT® SHIELD SEALANT AND PROTECTANT FOR ELECTRICAL CONNECTIONS



- Lubricates and Preserves
- Reduces Intermittent Connections
- Reduces Arcing and RFI
- Reduces Wear and Abrasion
- Improves the Flow of Electricity
- Ideal for Severe Environments: High degrees of Humidity, Salt, Pollution, etc.

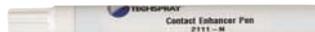


DeoxIT® SHIELD lubricates and seals metal surfaces against oxidation and contamination. **NOTE:** Use on newly manufactured components or those surfaces cleaned by DeoxIT, ultrasonics or other procedures. **DeoxIT® SHIELD** contains no cleaners or deoxidizers, and provides long-lasting protection.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● S5MS-15	DeoxIT SHIELD S5 Mini-Spray, flushing action, slow dry	14g	67K2677	9.37
● S5S-6	DeoxIT SHIELD S5 Spray, flushing action, slow dry	142g	67K2678	16.68
● SN5S-6N	DeoxIT SHIELD SN5 Spray, nonflammable, quick dry - non-drip	163g	67K2670	24.00
● S100L-25C	DeoxIT SHIELD Needle Dispenser, nonflammable, 100% solution	25ml	67K2673	26.09

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CONTACT PROTECTOR/ENHANCER



2111-N

RID-OX 2112-6S Protective coating containing a polyphenyle ether which provides a micro-thin shield against oxidation. Designed to protect electronic connections during storage, transportation and operation.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 2112-6S	Connector Protector/Enhancer	6 oz.	90B6583	14.74

CONNECTOR PROTECTANT

Effective coating containing a polyphenyle ether designed specifically for improving conductivity.

● 2111-N	Connector Protectant	10 ml Pen	68K7373	8.47
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ULTRAJET® BRAND COMPRESSED GAS DUSTERS



UltraJet® brand dusters are the most powerful dusters on the market. Nonflammable dusters remove dry contaminants from many kinds of surfaces. Dusters are safe on plastics and leave no residue. UltraJet® dusters are filtered to 0.2 microns.

Mfg. part no. ES1020 UltraJet® Duster provides the biggest blast to clean anything fast. 100% ultra-pure HFC-134a. **Mfg. part no. ES1620** UltraJet® All-Way Duster provides the same power as **mfg. part no. ES1020** but it also sprays in any direction without the risk of dispensing a liquid spray that can freeze and damage sensitive surfaces. 100% ultra-pure HFC-134a.

Mfg. part no. ES1015 UltraJet® 70 Duster provides a powerful cleaning blast at an economic price. 100% ultra-pure HFC-134a.

Mfg. part no. ES1020K UltraJet® Duster System has a precision surgical-grade chrome trigger for pinpoint control. The system sprays in any direction with a 36" flex-extension tube. 100% ultra-pure HFC-134a.

Mfg. part nos. ES1017, ES1217 and ES1617. Dusters provide regular strength cleaning at an economical price. Nonflammable. Made with HFC-134a.

Mfg. part no. ES270-1 UltraJet® CO₂ Duster System the ultra-pure, ultra-powerful duster for highly sensitive surfaces and equipment. 100% ultra-pure CO₂.

Mfg. Part No.	Description	Size	Blasting Power	Stock No.	Price Each
● ES1020	UltraJet® Biggest Blast	10 oz.	Xtra Xtra	00Z1209	17.97
● ES1620	UltraJet® All-Way Biggest Blast	8 oz.	Xtra Xtra	00Z1817	15.62
● ES1015	UltraJet® Big Blast	10 oz.	Xtra	00Z1305	13.07
● ES1020K	UltraJet® System	10 oz.	Regular	00Z1211	46.81
● ES1020R	UltraJet® System Refill	10 oz.	Regular	00Z1210	17.10

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ULTRAJET® BRAND COMPRESSED GAS DUSTERS (CONT.)

Mfg. Part No.	Description	Size	Blasting Power	Stock No.	Price Each
● ES710V	Chrome Trigger Valve for ES1020R	66F6773	36.72
● ES1017	Duster	10 oz.	Regular	94B3540	12.29
● ES1217	Duster	8 oz.	Regular	00Z1818	9.86
● ES1617	Duster	12 oz.	Regular	00Z1819	14.69
● ES270-1	UltraJet® CO ₂ System	2.4 oz.	Xtra Xtra	25C8213	187.20

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ELECTRO-WASH® CLEANERS/DEGREASERS



These general-purpose electronics and electrical cleaners remove a wide variety of contaminants including oil, grease, oxides, handling soils, plus flux and coatings from PC boards, cable splices, control systems, office equipment, and motors. All aerosol/BrushClean™ products feature the All-Way spray valve.

Mfg. part nos. ES7100 and ES7101. Electro-Wash® CZ is the non-ozone depleting, nonflammable cleaner safe for use on plastics. Contains CROZANE™ CFC replacement chemistry based on HFE technology from 3M. Also available in 1-gallon quantities, *go online or call.*

Mfg. part no. ES6100. Electro-Wash VZ® is an economical, non-ozone depleting, non-flammable universal cleaner and degreaser.

Mfg. part no. ES1675. Electro-Wash® PN, is a nonflammable cleaner/degreaser safe for use on plastics. Contains HCFC-141b.

Mfg. part no. ES1678. New and Improved Electro-Wash® PN, is a nonflammable cleaner degreaser safe for use on plastics. 141b-free; contains HCFC-225.

Mfg. part no. ES1210. Electro-Wash® PX, is an extra-strength universal cleaner/degreaser safe for use on plastics. It's flammable and ozone-safe. Also available in 1-gallon quantities, *go online or call.*

Mfg. part no. ES810. Electro-Wash® PX, is a one-step buffer gel removal cleaner, ideal for fiber-optic connectors and cables.

Mfg. part no. ES1603. Electro-Wash® PR, is a regular-strength cleaner safe for use on plastics. It's flammable and ozone-safe.

Mfg. part no. ES1611. New and Improved Electro-Wash® NX, is an extra-strength, nonflammable cleaner degreaser. 141b-free; contains HCFC-225.

Mfg. part nos. ES1607 and ES107. Electro-Wash® NXO is an ozone-safe, nonflammable, extra-strength universal cleaner/degreaser. Test on plastics. Also available in 1-gallon quantities; *go online or call.*

Mfg. part no. ES1614. New and Improved Electro-Wash® NR, is a regular-strength, nonflammable cleaner degreaser. 141b-free; contains n-propyl bromide.

Mfg. part no. ES1621. Electro-Wash® MX, is an extra-strength plastic safe universal cleaner with a moderate evaporation rate. Ideal for cleaning contamination from semiconductive cores of high voltage cables.

Mfg. part no. ES1137. the Mighty Liquid™, is a powerful universal cleaning solvent.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● ES7100	Electro-Wash® CZ	12 oz.	00Z1585	46.72
● ES6100	Electro-Wash® VZ	12 oz.	97H7680	22.34
● ES1675	Electro-Wash® PN	12 oz.	00Z1808	33.50
● ES1678	New and Improved Electro-Wash® PN	12 oz.	97C8418	37.21
● ES1210	Electro-Wash® PX Contact Cleaner	12.5 oz.	00Z1138	22.20
● ES810	Electro-Wash® PX	5 oz.	49H7680	12.15
● ES1603	Electro-Wash® PR	10 oz.	00Z1535	12.98
● ES1607	Electro-Wash® NXO	12 oz.	00Z1941	46.99
● ES107	Electro-Wash® NXO	1 gallon	92B1464	596.28
● ES1611	New and Improved Electro-Wash® NX	12 oz.	97C8412	29.50
● ES1614	New and Improved Electro-Wash® NR	12 oz.	97C8415	17.50
● ES1621	Electro-Wash® MX Cleaner Degreaser	10.8 oz.	49H7679	20.48
● ES137	Mighty Liquid™	1 oz.	97H7679	103.54

(7428)

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CHEMICAL CLEANERS & ACCESSORIES

MAX-KLEEN™ HEAVY-DUTY DEGREASERS



- Quickly removes all types of tough soils including oxidized oil and grease
- Non-corrosive and non-conductive
- Leaves no residue

Mfg. part no. **ES2279** and **ES179** is ideal for electrical applications, with a high dielectric strength of 30kV. Contains trichloroethylene. This non-flammable solvent is ozone safe.
 Mfg. part no. **ES2284** and **ES184** penetrates to clean hard to reach areas and is non-flammable and ozone safe.
 Mfg. part no. **ES2289** and **ES189** is a citrus based formula with a moderate evaporation rate. It is safe for use on most metals and plastics and has low toxicity.

Mfg. Part No.	Description	Stock No.	Price Each
			1-9
● ES2279	Max-Kleen™ Lectro-Solv™, 19oz. Aerosol	80K9730	8.54
● ES179	Max-Kleen™ Lectro-Solv™, 1 Gallon Liquid	84K7729	75.41
● ES2284	Max-Kleen™ Xtreme™, 19oz. Aerosol	84K7722	11.34
● ES184	Max-Kleen™ Xtreme™, 1 Gallon Liquid	84K7730	109.74
● ES2289	Max-Kleen™ Citrus, 15oz. Aerosol	84K7733	7.09
● ES189	Max-Kleen™ Citrus, 1 Gallon Liquid	84K7731	59.62

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CONTACT CLEANERS/
LUBRICANTS



Contact cleaners remove oily carbon soils, greases, and oxides from contact surfaces. Use in all phases of electronics and electrical contact maintenance, including metal contacts, plastic embedded contacts, relays, breakers, and controls. All aerosol products feature the All-Way spray valve.

Mfg. part nos. **ES7300** and **ES7308**, Pow-R-Wash™ CZ, is an ozone safe, nonflammable cleaner safe for use on powered-up contacts and surrounding plastics. Contains Cirozane™ CFC replacement chemistry based on HFE technology from 3M.

Mfg. part no. **ES6300** Pow-R-Wash™ VZ, is an economical non-ozone depleting, nonflammable contact cleaner safe for use on live circuits.

Mfg. part no. **ES1677**, New and Improved Pow-R-Wash™ PN, is a nonflammable contact cleaner safe for use on powered-up contacts and surrounding plastics. 141b-free; contains HCFC-225.

Mfg. part no. **ES1612**, New and Improved Pow-R-Wash™ NX, is an extra-strength, nonflammable contact cleaner that quickly removes soils and oxides. 141b-free; contains HCFC-225.

Mfg. part no. **ES1613**, New and Improved Pow-R-Wash™ NR, nonflammable contact cleaner that quickly removes soils and oxides. 141b-free; contains n-propyl bromide.

Mfg. part no. **ES1605**, Pow-R-Wash™ PR, is a regular-strength, flammable contact cleaner that is safe for use on plastics. Ozone-safe.

Mfg. part no. **ES1629**, New and Improved Contact Restorer, is a 1-step contact cleaner and lubricant. 141b-free; contains n-propyl bromide.

Mfg. Part No.	Description	Size	Stock No.	Price Each
				1-4
● ES7300	Pow-R-Wash™ CZ	12 oz.	00Z1589	44.55
● ES6300	Pow-R-Wash™ VZ	12 oz.	97H7682	19.39
● ES7308	Pow-R-Wash™ CZ	5 oz.	00Z1590	19.93
● ES1677	New and Improved Pow-R-Wash™ PN	12 oz.	97C8417	34.37
● ES1612	New and Improved Pow-R-Wash™ NX	12 oz.	97C8413	29.16
● ES1613	New and Improved Pow-R-Wash™ NR	12 oz.	97C8414	15.77
● ES1605	Pow-R-Wash™ PR	10 oz.	00Z1538	12.09
● ES1629	New and Improved Contact Restorer® Cleaner Lubricant	12 oz.	97C8416	21.78

(7590)

SWABS



CHAMOIS TIPS™

For cleaning audio/video heads and optical pick-ups. Sold in bags of 50.

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● CC50	3 1/4", ABS Handle, 3/8"W x 7/8"L x 1/8" Thick Head; Flexible Handle	97F7566	41.38

FOAM TIPS™

Highly absorbent precision cleaning swabs with 100 ppi polyurethane foam heads. They come in a variety of head sizes and shapes. Sold in bags of 50.

● CF1050	5", Polypropylene Handle, 1 1/8"W x 1"L x 3/8" Thick Rigid Head	50F9478	22.06
● CF2050	5 1/2", Polypropylene Handle, 1/2"W x 1"L x 1/4" Thick Rigid Head	50F9490	24.87
● CF3050	6", Polypropylene Handle, 1/4"W x 3/4"L x 1/4" Thick Rigid Head	50F9475	21.88
● CF4050	2 1/8", Polypropylene Handle, 3/16"W x 1/2"L x 3/16" Thick Rigid Head	50F9489	19.61

FLEXTIPS™

Flexible 100 ppi polyurethane foam head for cleaning optics and confined areas. Sold in bags of 50.

● CX50	4 1/8", Polypropylene Handle, 1/4"W x 3/4"L x 1 1/8" Thick Rigid Head	50F9476	30.41
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COTTON TIPS™

Double-head 100% pure pharmaceutical-grade bleached white cotton swabs for general cleaning applications. Sold in bags of 100.

● CT100	6", Wood Handle, 3/16"W x 5/8"L x 3/16" Thick Rigid Single Head	96B1615	4.20
● CT200	6", Wood Handle, 3/16"W x 5/8"L x 3/16" Thick Rigid Double Head	50F9487	4.40

(7504)

COVENTRY™ SEALED
POLYESTER SWABS



Exceptionally clean swabs produced by Coventry's proprietary thermoforming process. Swabs are acid and solvent resistant without loose fibers or particulate. Sealed edges build in extra strength with no loose fibers or particulate. Sold in packages of 500.

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● 36060	6" Polypropylene Handle, 0.21" Sealed Polyester Head Swab	16C7345	132.43
● 36060ESD	6" Polypropylene ESD Handle, 0.21" Sealed Polyester Head Swab	97C8514	155.91
● 38040	2.7" Polypropylene Flexible Tip Handle, 0.12" Sealed Polyester Head Swab	91B0463	70.75

(64981)

FIBER-OPTIC SWABS



Ideal precision swab for cleaning 2.5mm fiber-optic connectors. Specifically designed head conforms to the connector face. Its wrapped foam provides outstanding particle entrapment and is free of fibers, adhesives and binders leaving no residue. Works well as a solvent applicator because of a wicking action that quickly pulls solvent from surfaces. U.S. Patent numbers 6523908 and 6393651, and foreign patents.

2.5MM FIBER OPTIC CLEANING SWAB

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● 25184	Pkg. of 5	17C1843	6.37
● 25183	Pkg. of 100	17C1846	114.59

The ideal tool for cleaning contamination from 1.25 mm fiber optic sleeves and polishing pucks. Specifically designed to fit snugly and conform to all 1.25 mm mating sleeves, adapters and slurry polishing fixtures. Free of seams and hard surfaces.

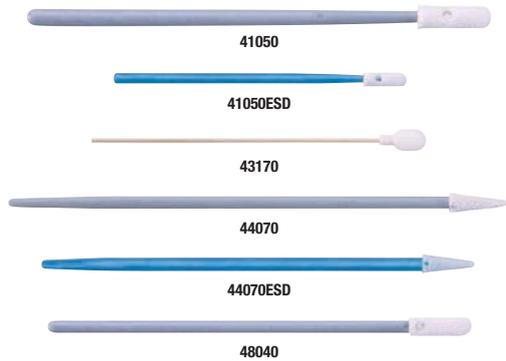
1.25MM FIBER OPTIC CLEANING SWAB

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● 25123X	Pkg. of 100	49H7706	125.73

(64376)

CHEMICAL CLEANERS & ACCESSORIES

COVENTRY™ SEALED FOAM SWABS



Most cost-efficient swabs for general-purpose applications. 100 PPI reticulated medical grade foam provides excellent particle entrapment. The open cell structure gives the best solvent holding ability of any style swab. These swabs are adhesive and binder free, and the fiberless construction does not generate particles. **Sold in bags of 500.**

Mfg. Part No.	Description	Stock No.	Price Each
● 23110	6" Wood Handle, .50 Head Pack Foam Over Cotton Swabs	25H8339	156.57
● 41050	2.8" Polypropylene Handle, 0.14" Sealed Foam Head Swab	16C7316	55.11
● 41050ESD	2.8" Polypropylene ESD Handle, 0.14" Sealed Foam Head Swab	16C7350	112.04
● 43170	6" Wood Handle, 0.35" Foam Over Cotton Head Swab	97C8515	108.32
● 44070	3.2" Polypropylene Handle 0.13" Sealed Foam Pointed Head Swab	16C7352	53.70
● 44070ESD	3.2" Polypropylene ESD Handle 0.13" Sealed Foam Pointed Head Swab	16C7346	112.04
● 48040	2.7" Polypropylene Flexible Tip Handle, 0.12" Sealed Foam Head Swab	97C8516	69.90

(64980)

COVENTRY™ WRAPPED FOAM SWABS



These swabs provide good particle entrapment and work well as solvent applicators. The small tips allow use in very tight tolerance areas. With the most durable head of any foam swabs, wrapped foam delivers superior abrasion resistance for removal of tough contaminants. Wicking action pulls solvent from surfaces. **Sold in packages of 500**

Mfg. Part No.	Description	Stock No.	Price Each
● 20050	3" Wood Tapered Handle, 0.12" Foam Wrapped Head Swab	97C8511	101.04
● 20080	3" Wood Tapered Handle, 0.11" Foam Wrapped Head Swab	97C8512	98.44
● 21050	3" Nylon Tapered Handle, 0.14" Foam Wrapped Head Swab	16C7306	116.67

(64983)

KLEEN-IT™ G3® CLEANER/LUBRICANT



- Non-Flammable
- Cleans and Lubricates
- Silicone Lubricant
- Stops Corrosion

A cleaner/lubricant that formulate to quickly penetrate and flush away grease, dirt, oil, dust, and oxidized surface metals. Leaves a thin protective coating of silicone to lubricate and protect against corrosion.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 2421-12S	Kleen-It™ G3® Cleaner/Lubricant	12 oz.	68K7386	18.16

(82407)

G3 CLEANERS



Blue Shower G3 Cleaner/Degreaser 1630 Series



Flux Remover G3 with Brush Attachment 1631 Series



Flux Remover G3 1631 Series



Contact Cleaner G3 1632 Series



No-Clean Flux Remover 1634 Series

- Superior HCFC-141b replacement
- Powerful and non-flammable
- Non-Ozone Depleting
- Nonflammable
- Safe on Most Plastics
- Rapidly Evaporating
- Works with Lead- Free Soldering Process
- Mfg. Part No. 1630-16S - Ford Tox #167818
- Mfg. Part No. 1631-16S - Ford Tox #167834
- Mfg. Part No. 1632-16S - Ford Tox #167835
- Mfg. Part Nos. 1630-16S and 1632-16S pass Boeing spec D6-17487 rev P

G3™ Solvents are designed as direct replacements for all cleaner/degreasers, flux removers, and contact cleaners containing HCFC-141b. Mfg. part no. 1630-16S Blue Shower® G3™ is an innovative blend designed for precision cleaning of polar and non-polar soils including hand and solder oils, greases, silicones, fluxes and other similar contaminants. Mfg. part no. 1631-16S Flux Remover G3™ is designed specifically for removing R, RA, RMA and SA type flux residues after high temperature reflow. Mfg. part no. 1634-16S No-Clean Flux Remover G3 cleans tough-to-clean white residues left from no-clean flux. Mfg. part no. 1632-16S Contact Cleaner G3™ is the optimal choice for removing oils, greases, silicones, dirt and grime from all types of switches, relays, contact pads and other electrical connections.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 1630-10S	Blue Shower G3 Cleaner/Degreaser	10 oz	33K2569	15.53
● 1630-16S	Blue Shower® G3™ General Purpose Cleaner/Degreaser	16 oz	81C8423	20.14
● 1631-5S	Flux Remover G3	5 oz	86H3843	12.72
● 1631-10S	Flux Remover G3	10 oz	33K2570	14.82
● 1631-16S	Flux Remover G3	16 oz	81C8424	19.17
● 1632-10S	Contact Cleaner G3	10 oz	33K2571	15.53
● 1632-16S	Contact Cleaner G3™ General Purpose Contact Cleaner	16 oz	81C8425	20.19
● 1634-12S	No-Clean Flux Remover G3™	12 oz	97H2095	18.07
● 1637-G	Universal Cleaner G3	1 gal	10J6816	232.50
● 1638-G	Flux Remover G3	1 gal	92H5286	244.73

(72172)

ECOLINE CLEANERS



Ecoline Cleaner/Degreaser 1620 Series



Ecoline Flux Removers 1621 Series



Ecoline Contact Cleaner 1622 Series

- Features
- Non-Ozone depleting
 - Safe-On Plastics
 - Rapidly Evaporating
 - Works with Lead-Free Soldering Process

Hydrocarbon cleaners that are economical but flammable. Ecoline Cleaner/Degreaser, 1620 series, is designed for cleaning of polar and non-polar soils including hand and solder oils, greases, silicones, fluxes and other similar contaminants. Ecoline Flux Remover, 1621 series, dissolves type R, RMA, SA and most no-clean fluxes. It can also be used for the removal of light oils, silicones, waxes, greases, and other similar contaminants. Ecoline Contact Cleaner, 1622 series, removes oils, greases, silicones and dirt from all types of switches, relays, contact pads and other electrical connections.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 1620-10S	Ecoline Cleaner/Degreaser	10 oz	10J6813	11.56
● 1621-5G	Ecoline Flux Remover	33 lb	10J6815	186.55
● 1621-10S	Ecoline Flux Remover	10 oz	10J6814	12.40
● 1622-10S	Ecoline Contact Cleaner	10 oz	78H3678	11.16
● 1622-13S	Ecoline Contact Cleaner	13 oz	33K2606	12.57

(34287)

CHEMICAL CLEANERS & ACCESSORIES

SILICONE LUBRICANT



- Displaces Moisture
- Penetrates Rapidly
- Loosens Corroded Parts
- Prevents Corrosion
- Safe on Plastic
- Non-Ozone Depleting

2420-10S

Mfg. part no. 2420-10S is specifically formulated to lubricate, protect and waterproof mechanical devices found in electrical and electronic equipment.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 2420-10S	Slic™ Silicone Lubricant	10 oz.	70K9009	13.09

(65179)

AK225 HIGH PRECISION CLEANERS



- Non-Flammable
- Safe on Plastics
- VOC exempt /Low VOC
- Rapid evaporation
- Zero residue



1660-6S No-Clean Flux Remover w/ Brush



1665-8S Flux Remover AMS 8oz Aerosol



1667-8S Blue Shower II Cleaner/Degreaser



1668-8S Contact Cleaner II

High-precision, high-performance cleaners. Mfg. part no. 1667 Blue Show II Cleaner/Degreaser is designed for cleaning of polar and non-polar soils including hand and solder oils, greases, silicones, fluxes and other similar contaminants. Mfg. part no. 1665 Flux Remover AMS removes R, RA, RMA and SA type flux residues after high-temperature reflow. Mfg. part no. 1660 No-Clean Flux Remover cleans tough-to-clean white residues left from no-clean flux. Mfg. part no. 1668 Contact Cleaner II removes oils, greases, silicones and dirt from all types of switches, relays, contact pads and other electrical connections.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 1660-6S	No-Clean Flux Remover w/ Brush	6 oz.	07J7028	15.06
● 1665-8S	Flux Remover AMS	8 oz.	00Z1976	16.37
● 1665-8S	Flux Remover AMS	6 oz.	00Z1976	16.37
● 1667-8S	Blue Shower II Cleaner/Degreaser	8 oz.	00Z1977	21.06
● 1667-18S	Blue Shower II Cleaner/Degreaser	18 oz.	00Z1978	29.71
● 1668-8S	Contact Cleaner II	8 oz.	00Z1979	16.43

(34294)

CONFORMAL COATING



- Silicone, 2102 series, protects against moisture, thermal shock, chemicals
- Acrylic, 2103 series, hard coating, used on aviation components
- Urethane, 2104 series, protects against chemicals



Silicone Conformal Coating



Acrylic Conformal Coating



Urethane Conformal Coating

Conformal coatings are designed to spray directly on printed circuit boards and protect them from the environments. Each Fine-L-Kote product is intended for different conditions and contain Opti-Scan for black light QC inspection.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 2102-12S	Silicone Conformal Coating	12 oz.	10J6915	23.44
● 2103-12S	Acrylic Conformal Coating	12 oz.	68K7372	20.02
● 2104-12S	Urethane Conformal Coating	12 oz.	10J6920	21.79

(34289)

SMT REFLOW OVEN CLEANER



WATER-BASED SMT OVEN CLEANER:

- IPA Free
- Non-corrosive
- Non-flammable
- Non-hazardous
- Fully biodegradable
- Safe on metal and plastic parts
- Mild odor
- Low VOC



Water-Based, gallon



Water-Based, pint

Water-based SMT Oven Cleaner cleans reflow ovens and wave soldering systems, removing all types of flux residues.

Mfg. Part No.	Description	Stock No.	Price Each
● 1691-G	Water-Based SMT Oven Cleaner, gallon	69K5870	106.79
● 1691-PT	Water-Based SMT Oven Cleaner with Trigger Spray, 16 oz.	69K5871	21.56

(79586)

DUSTERS/FREEZERS



Duster 1673



Freezer 1672



Anti-Stat Freezer 1747



Vortex Duster 1697

- Moisture-Free
- Non-Flammable, (except mfg. part no. 1673-10S)
- Non-Ozone Depleting

HFC-134a dusters blow away microscopic contaminants, lint, dust, metallic oxide deposits and other soils that can cause heat build up or shorts in sensitive electronics. Mfg. part no. 1673-10S environmentally friendly economy duster has 32% more sprays per can and powerful blast for quick dust removal. It should not be used around open flames or sparks. Vortex, mfg. part no. 1697-10S, and Vortex 360, mfg. part no. 1697-8S, blast at a much higher velocity. Vortex 360 can even spray upside-down for cleaning hard-to-reach places. Freezer, mfg. part no. 1672-10S, chills boards down to -62°F, for troubleshooting intermittently faulting capacitors, resistors, semi-conductors and other defective components. Anti-Static Freezer, mfg. part no. 1747-10S, chills boards down to -40°F and leaves behind a light anti-static residue to avoid static build-up.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 1673-10S	Economy Duster	10 oz.	88K0924	7.76
● 1671-8S	Duster	8 oz.	83K9724	13.04
● 1671-10S	Duster	10 oz.	00Z1980	8.47
● 1671-15S	Duster	15 oz.	00Z1981	13.26
● 1672-10S	Freezer	10 oz.	00Z1982	9.90
● 1672-15S	Freezer	15 oz.	58K0004	22.53
● 1747-10S	Anti-Static Freezer	10 oz.	00Z1983	18.32
● 1747-15S	Anti-Static Freezer	15 oz.	58K0005	25.15
● 1697-10S	High Velocity Duster	10 oz.	14C8044	18.03
● 1697-8S	High Velocity 360° Duster	8 oz.	14C8045	15.75

(34293)

TRACE TECHNOLOGY BOARD REPAIR/REWORK PENS



2505-N



2506-N



2507-N



2509-GN



2510-N

Mfg. part no. 2505-N designed to quickly make highly conductive silver traces. Mfg. part no. 2506-N provides a convenient method for touch-up cleaning of flux residues. Mfg. part no. 2507-N designed to dispense no-clean flux in the high precision applications of prototype and rework/repair of printed circuit boards. Mfg. part no. 2509-GN is designed to insulate printed circuit board traces and components against high voltage arcing. Mfg. part no. 2510-N quickly and precisely removes most conformal coatings.

Mfg. Part No.	Description	Stock No.	Price Each
● 2505-N	Conductive Pen	69K4414	22.74
● 2506-N	Flux Remover Pen	10J7017	8.93
● 2507-N	No-Clean Flux Dispensing Pen	68K7393	7.02

➤ CONTINUED ➤

CHEMICAL CLEANERS & ACCESSORIES

TRACE TECHNOLOGY BOARD REPAIR/REWORK PENS (CONT.)

Mfg. Part No.	Description	Stock No.	Price Each
			1-9
● 2509-GN	Overcoat Pen -Green	26C1581	14.90
● 2510-N	Conformal Coating Remover	68K7396	7.73
● 2511-T2	Pkg. of 2 Replacement Tips	33C8658	3.55
● 2512-K	Kit of All Pens in Handy Case	68K7397	67.20

(68651)

ISOPROPYL ALCOHOL (IPA) ULTRA-PURE CLEANER/DEGREASER



Ultra-pure isopropyl alcohol for general-purpose cleaning. Also suitable as a thinner for pre-saturated flux.



Mfg. Part No.	Description	Stock No.	Price Each
			1-9
● 1610-100DSP	Isopropyl Alcohol Wipes, 100 Wipes	25C4466	25.61
● 1610-G4	Isopropyl Alcohol, 1 Gallon Container	34C2848	26.53
● 1610-50PK	Presaturated Wipes, 50 wipes	98H3675	23.61
● 1610-P	Isopropyl Alcohol, 1 Pint	10J6809	10.42
● 1610-PT	Isopropyl Alcohol, 1 Pint Trigger Spray	68K7280	13.38
● 1610-N	Isopropyl Alcohol, 10ml Pen	71H6593	6.74

(34292)

TECH CLEAN® CARD



- Credit Card Size 2 1/8" x 3 3/8"
- Non-Abrasive
- Safe on Plastics
- Zero Residue

A one-time use, pre-saturated card to remove dirt, magnetic oxides, and other contaminants from credit card readers, ATM's/POS terminals, and other magnetic or photocard reading apparatus. 50 pre-saturated cards per carton.



Mfg. Part No.	Description	Size	Stock No.	Price Each
				1-9
● 1603-50PK	Pre-saturated Cleaning Card	50 pk.	99B3532	85.57

(68654)

TECHNICAL SWABS



COTTON SWABS

Mfg. Part No.	Description	Package Size	Stock No.	Price per Pkg.
				1-4
● 2300-100	Double Tipped Cotton Swabs	100	68K7374	3.88
● 2300-1000	Double Tipped Cotton Swabs	1000	33K2634	31.37
● 2301-100	Single Tipped Cotton Swab	100	68K7376	3.34
● 2301-1000	Single Tipped Cotton Swab	1000	06H2871	21.63
● 2313-30	Double Tipped, Pointed Cotton Swab	30	95C0471	6.10

FOAM SWABS

Polyurethane foam head has excellent absorbency with minimum contamination. Foam structure prevents contamination and fraying.

➔ CONTINUED ➔

TECHNICAL SWABS (CONT.)

Mfg. Part No.	Description	Package Size	Stock No.	Price per Pkg.
				1-4
● 2303-50	Heat Sealed Foam Tip	50	68K7377	17.96
● 2306-50	Super Tip Foam Techswab	50	26K1254	16.92
● 2307-50	Flexible Tip Foam Techswab	50	68K7378	26.00

(56070)

TECH BRUSHES



Mfg. Part No.	Description	Stock No.	Price Each
			1-9
● 2032-1	1/2" x 3/8" Horse Hair - Metal Handle	80K6222	8.32
● 2042-1	1 3/8" x 3/8" Horse Hair - Metal Handle	68K7335	19.85
● 2022-1	2 1/8" x 7/8" Hog Hair - Wood Handle	68K7330	9.68
● 2021-1	1 3/8" x 1/4" Hog Hair - Wood Handle	68K7329	4.52
● 2031-1	1/4" x 3/16" Horse Hair - Metal Handle	68K7332	8.65
● 2027-1	7/8" x 3/8" Hog Hair - Wood Handle	68K7331	7.49
● 2033-1	7/16" x 3/8" Horse Hair - Metal Handle	68K7333	6.30
● 2040-1	1 3/8" x 1/8" Horse Hair - Metal Handle	68K7334	11.77
● 2020-1	1 3/8" x 1/4" Horse Hair - Metal Handle	68K7328	3.15
● 2043-1	1 3/8" x 3/8" Stainless Steel - Metal Handle	68K7336	20.78

(68653)

SPECIALTY CLEANING PRODUCTS



Adhesive Residue Remover 1613-6S

Glass Cleaner 1625-18S

RUBBER REJUVENATOR

Cleans and revitalizes rubber, rollers and platters.

Mfg. Part No.	Description	Size	Stock No.	Price Each
				1-9
● 1612-25Q*	Rubber Rejuvenator/Platen Cleaner, squeeze bottle container	2oz	00Z1958	7.21

LABEL AND ADHESIVE REMOVER

Safely removes labels and adhesive gums.

● 1613-6S*	Label and Adhesive Remover	6 oz. Aerosol	00Z2014	11.44
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GLASS CLEANER

An outstanding product for the removal of hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon and other soils from CRTs, computer screens, windows, and other hard surfaces.

● 1625-18S	Glass Cleaner	18 oz. Aerosol	98B7790	4.08
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* Not for sale in California due to CARB regulations.

(34290)

CHEMICAL CLEANERS & ACCESSORIES • ADHESIVE PRODUCTS

ZERO CHARGE® ESD CLEANING PRODUCTS AND COATINGS



1702 Lotion



1720 Floor Coating



1743 Screen and Keyboard Wipes



1743 Screen and Keyboard Liquid

ESD programs maintain an equal electrostatic potential, avoiding ESD damage. Household and industrial surface cleaners often contain waxes and brighteners that can ruin the ESD properties of ESD-safe mats and other surface areas. These ESD-safe products can help work areas meet ANSI/ESD-S20.20 standards.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 1702-8FP	Anti-Static Lotion in Plastic Bottle with Finger Pump	8oz	33K2643	5.84
● 1702-G	Anti-Static Lotion	1 Gallon	68K7284	48.12
● 1720-G	Static Dissipative Floor Coating	1 Gallon	01C1846	56.81
1721-5G	Zero Charge Floor Stripper in Plastic	5 Gallon	10J6840	123.69
● 1722-G	Floor Cleaner/Neutralizer	1 Gallon	68K7286	31.96
● 1743DSP	Pre-Saturated Anti-Static Screen and Keyboard Cleaner Wipes in Pop-Up Container	48 Wipes	96B1740	14.90
● 1743-50PK	Pre-Saturated Anti-Static Screen and Keyboard Cleaner Wipes in Individual Packets	50 Wipes	00Z1988	21.28
1743-QT	Anti-Static Screen and Keyboard Cleaner w/ Trigger in Plastic	1 Quart	81H3814	15.60

(85016)

DUSTERS/FREEZERS



Formulated with HFC-134a. These products are non-flammable, moisture-free and non-ozone depleting. Mfg. part no. SPC12778 is a duster and mfg. part no. SPC12779 is a freezer.



SPC12778

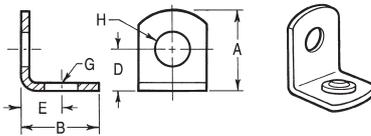


SPC12779

Mfg. Part No.	Description	Size	Stock No.	Price Each
● SPC12778	Aerosol Duster	10	78H4044	11.99
● SPC12779	Aerosol Freezer	10	78H4045	12.27

(78922)

THREADED MOUNTING BRACKETS



Mfg. part nos. 8459-0665, 8459-0666, 8459-0670, and 8459-0671 are 0.062" steel. Mfg. part no. 8459-0667 is 0.047" brass. Mfg. part nos. 8459-0668 and 8459-0669 are 0.032" brass. Mfg. part no. 8459-0672 is 0.037" brass. Sold in packages of 100.

SPECIFICATIONS

Mfg. Part No.	Stock No.	Dimensions					
		A	B	D	E	G Dia.	H Dia.
● 8459-0665	16N947	0.343"	0.375"	0.203"	0.250"	4-40	0.130"
● 8459-0666	16N948	0.343"	0.375"	0.203"	0.250"	4-40	4-40
● 8459-0667	16N949	0.453"	0.312"	0.265"	0.187"	4-40	0.136"
● 8459-0668	16N950	0.375"	0.375"	0.218"	0.218"	6-32	0.140"
● 8459-0669	16N951	0.420"	0.343"	0.250"	0.197"	6-32	0.144"
● 8459-0670	16N952	0.562"	0.562"	0.412"	0.412"	6-32	6-32
● 8459-0671	16N953	0.578"	0.500"	0.328"	0.299"	6-32	0.165"
● 8459-0672	16N954	0.375"	0.422"	0.234"	0.250"	8-32	0.135"

Mfg. Part No.	Plating	Stock No.	Price per Pkg.			
			1-4	5-9	10-24	25-49
● 8459-0665	Zinc	16N947	15.21	12.98	10.97	10.16
● 8459-0666	Zinc	16N948	18.79	16.04	13.55	12.55
● 8459-0667	Tin	16N949	25.25	21.55	18.21	16.86
● 8459-0668	Nickel	16N950	28.97	24.72	20.89	19.34

➤ CONTINUED ➤

THREADED MOUNTING BRACKETS (CONT.)

Mfg. Part No.	Plating	Stock No.	Price per Pkg.			
			1-4	5-9	10-24	25-49
● 8459-0669	Tin	16N951	17.26	14.74	12.45	11.53
● 8459-0670	Nickel	16N952	81.23	69.33	58.58	54.23
● 8459-0671	Tin	16N953	25.25	21.55	18.21	16.86
● 8459-0672	Tin	16N954	37.89	32.34	27.32	25.30

(9396)

HOT MELT ADHESIVE APPLICATOR



Effective means of improving productivity, lowering costs, and conserving energy for product assembly and sealing needs. 1-year warranty.

Mfg. Part No.	Description	Stock No.	Price Each
POLYGUN TC	Rugged, Reliable and Compact; Features "Touch Control" Feeding for Precise, Even Flow; 5-Minute Warm-Up; Operates at 385°F (196°C); Weight: 10 oz.	93F6941	122.70
POLYGUN EC	High Performance; Latest in Hand-Held Applicator Technology; Adhesive Delivery: 2.5 to 5.5 lbs./hr. Operates at 365°F (196°C)	95C2326	388.29
POLYGUN LT	Includes Quadrack™ Converter; Operates at 265°F (129°C); Ideal System for Wetting and Gimping, Bonding Fabric to Wood	95C2327	122.70

(7525)

AEROSOL SPRAY ADHESIVES



Spray 74



Spray 75



Spray 77

Mfg. part no. FoamFast 74 adhesive quickly bonds flexible urethane or latex foams to themselves and most other materials. Mfg. part no. Spray 75 repositionable adhesive provides a clear, tape-like bond that adheres in seconds. Permits materials to be repositioned. Resists bleeding, staining, and wrinkling. Mfg. part no. Super 77™ fast-drying transparent adhesive has high-tack, low-misting high coverage. For permanently attaching foils, carpeting, foams, paper, cardboard, etc., to painted or unpainted base materials. Mfg. part no. Spray 80 neoprene-based adhesive with plasticizer resistance bonds vinyl, leather and most rubber. VOC content does not comply with the aerosol adhesive limits in the following California rules: SCAQMD Rule 1168, Ventura County Rule 74.20, and BAAQMD Rule 51. Consult other air quality provisions that may regulate product use.

Mfg. Part No.	Description	Size (fl. oz.)	Stock No.	Price Each
● SPRAY 74 24OZ	FoamFast 74	24	95B3014	14.48
● SPRAY 75 16OZ	Repositionable 75	16	95B3015	13.24
● 77 SUPER	Super 77 Multipurpose	24	00Z1147	13.16
● 80 INDUSTRIAL SPRAY ADHESIVE	Rubber & Vinyl 80	24	95C2823	18.62

(7959)

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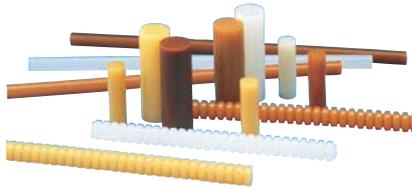
(94650)

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ADHESIVE PRODUCTS

SCOTCHWELD™ HOT MELT ADHESIVES



Mfg. part no. 3798 LM Jet-melt™ "gummy-glue" low-melt adhesive is heat-applied and removable. Can be used on a wide variety of heat-sensitive substrates including most corrugated coated substrates. It's easy-to-use and obtains strength in seconds. Fast setting thermoplastic is tack-free and solvent-free. Applied at 265°F (129°C). Color: clear. Designed for application using a 3M™ Polygun™ LT applicator, *ordered separately on page 1921. Sold in 1-lb. pkgs..*

Mfg. part no. 3789 Q Scotch-Weld™ high-performance general-purpose hot-melt adhesive for bonding some flexible and rigid plastic substrates. Can be used with some supported and unsupported vinyls, leather, and wood substrates. Not recommended for polyolefins. Fast setting, thermoplastic. Applied at 385°F (196°C). Color: clear. Easily dispensed through 3M™ Polygun™ TC applicator; *ordered separately on page 1921. Sold in 1-lb. pkgs..*

Mfg. Part No.	Description	Stock No.	Price per Pkg.
			1-4
● 3798-LM	Jet-Melt "Gummy-Glue" Low-Melt Adhesive	93K5584	26.46
● 3789 Q	Scotch-Weld High-Performance Hot-Melt Adhesive	26H2090	38.56

(33079)

SCOTCHWELD™ ADHESIVE EPX APPLICATOR AND NOZZLES



Scotch-Weld **mfg. part no. EPX** applicator simultaneously meters, mixes and applies 2-component adhesives and potting compounds. Duo-Pak cartridges, *order separately; go online or call, snap into mfg. part no. EPX* applicator. Squeezing trigger advances plunger, which forces the two components through patented nozzle that completely mixes them without introducing air. Sturdy metal construction. 90-day warranty.

Mfg. Part No.	Description	Stock No.	Price Each
● EPX APPLICATOR	Applicator	93F6943	52.76
● EPX NOZZLE BULK	Nozzle	93F6944	0.92

(7526)

SCOTCHWELD™ EPOXY ADHESIVE, DUOPACK



Fast-setting, room-temperature curing 2-part adhesive for bonding metals, ceramic wood, etc. Meets corrosion requirements of MIL-S-46163. All are 1.7 fl. ozs. For use with **mfg. part no. EPX** applicator.

Mfg. Part No.	Features	Stock No.	Price Each
			1-4
● DP-100 CLEAR 1.7 FL OZ	Fast Cure; 15-20 Min. Handling Strength; 3-5 Min. Work Life	00Z1161	11.28
● DP-100+ CLEAR 1.7 FL OZ	Fast Cure; Water Clear; 3-5 Min. Work Life	95C2299	13.78
● DP-125 GRAY 1.7 FL OZ	Good Peel Strength; 25 Min. Work Life	95C2300	15.49
● DP-270 CLEAR 1.7 FL OZ	8-12 Hours Handling Strength; Electrical Grade; 70 Min. Work Life	00Z1163	12.10
● DP-270 BLACK 1.7 FL OZ	8-12 Hours Handling Strength; Electrical Grade; 70 Min. Work Life	00Z1164	12.10
● DP-810 BLACK 1.7 FL OZ	8-12 Hours Handling Strength; Rigid Epoxy; 70 Min. Work Life	95C2301	14.23
● DP-605NS OFF-WHITE 1.7 FL OZ	Fast Cure; Semi-Rigid Urethane; Cap Filler and Non-Sag Product; 3-5 Min. Work Life	00Z1165	14.22

EPX APPLICATORS

● EPX APPLICATOR	Applicator With Plunger	93F6943	52.76
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(7527)

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(94635)

SCOTCHWELD™ INSTANT ADHESIVE



One-part, room temperature instant curing adhesives that are ready to use without measuring or mixing. Meets MIL-A-46050C.

Mfg. Part No.	Description	Stock No.	Price Each
● CA-4	Fast-setting cyanoacrylate Bonds to plastics and rubber 5-40 seconds to handling strength Sold in 1-oz. bottle	00Z1166	21.76
● CA-8	Fast-setting Excellent for ,metals, plastics and rubber 5-40 Seconds to handling strength Sold in 1-oz. bottle	00Z1167	21.76
● CA-40H	High viscosity Slower setting than CA-40 Bonds to aluminum and flexible vinyl 5-40 seconds to handling strength Sold in 1-oz. bottle	00Z1168	19.79
● CA-50	Very slow Cure allows for max. time to reposition parts Less sensitive to acidic surfaces 6-120 seconds to handling strength Sold in 0.7-oz. bottle	00Z1169	26.06
● CA-100	High peel and impact strength Thermal shock resistance 20-70 Seconds to handling strength Sold in 1-oz. bottle	00Z1170	25.45
● CA-PRONTO SURFACE ACTUATOR	Clear, colorless organic-based liquid Speed curing times Primes surfaces Can be applied with a brush or spray	95B1807	11.20

(7524)

SCOTCH-GRIP™ ADHESIVES



Mfg. part nos. 847 and 1300 are quick-drying solutions ideal for bonding rubber and gasket materials to themselves and to other substrates. **Mfg. part no. 1357** is a neoprene high performance contact adhesive with rapid strength build-up for metal. Resists heat and continuous load stress. Meets MIL-A-21366A and MMM-A-121. **Mfg. part no. 4475** is a general purpose plastic adhesive that dries rapidly. Excellent resistance to plasticizers, water, detergent and soap solutions.

Mfg. Part No.	Description	Color	Bonding Range	Tube Size (oz.)	Stock No.	Price Each
● 847 2 OZ	Flexible w/Oil and Fuel Resistance, Heat Curable	Brown	0-15 mins.	2	95C2824	11.13
● 1300 2 OZ	Heat Resistant	Yellow	0-12 mins.	2	95C2702	9.10
● 1357 5 OZ	Very High Strength Bond	Gray-Green	0-5 mins.	5	95C2703	13.24
● 4475	Fast Tacking, Quick Drying	Clear	0-10 mins.	5	95C2766	14.82

(73336)

CONCRETE REPAIR



Used for metal-to-metal bonding, anaerobic adhesives cure in the absence of oxygen. Rapid-curing, shrink- and corrosion-resistant anaerobics are designed to deliver a permanent bond that stands up to shock and vibration. **Mfg. part no. 3494** medium strength general purpose threadlocker for bolts up to 3/4 in. **Mfg. part no. 3495** med-high strength. High breakaway, reduce prevailing torque for bolts up to 1". **Mfg. part no. 3477** high pressure sealant for hydraulic and pneumatic fittings. **Mfg. part no. 3478** general purpose pipe sealant for applications requiring easy disassembly. **Mfg. part no. 3479** fast curing for stainless steel and inactive pipe surfaces.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● CONCRETE REPAIR	Concrete Repair DP-600 NON-Sag	12 fl. oz.	93K5578	52.70
● 3477	Thread Sealant 3477	50 ml.	93K5579	50.38
● 3478	Thread Sealant 3478	50 ml.	93K5580	27.55
● 3479	Thread Sealant 3479	50 ml.	93K5581	22.93
● 3494	Threadlocker 3494	50 ml.	93K5582	47.68
● 3495	Threadlocker 3495	10 ml.	93K5583	16.18

(89687)

ADHESIVE PRODUCTS

CHIPBONDER® SURFACE MOUNT ADHESIVES



Just Added

Chipbonder® surface mount adhesives are ideal for high-speed syringe dispense and stencil print assembly processes. Designed for bonding surface mount devices to printed circuit boards prior to wave soldering. Suited for applications where high-speed dispensing, high dot profile and high wet strength are required.

CHIPBONDER® 3621™

Mfg. part no. 3621™ epoxy surface mount adhesive is suited where ultra-high syringe dispense speeds from 25,000 to 55,000 dots/h are required. Meets the challenge of lead-free wave solder processes with water and alcohol based fluxes. Good green strength, superior humidity resistance and good electrical characteristics. Ready-to-use syringes fit straight into a variety of air pressure/time dispensing systems. No mixing required, heat cure. Color: red (uncured).

Mfg. Part No.	Description	Size (ml)	Stock No.	Price Each
● 3621	Chipbonder Surface Mount Adhesive — Syringe Dispense	10	31M3706	19.96

CHIPBONDER® 3616™

Mfg. part no. 3616™ epoxy surface mount adhesive is suited where high stencil print dispense speeds from 20 to 150 mm/s are required. Suitable for printing a range of dot heights with one stencil thickness. Ideal for use on all common open squeegee and enclosed head stencil printing systems, such as ProFlow®, PumpPrint®, and Varidot®. Easy to use — no mixing required, heat cure. Color: red (uncured).

Mfg. Part No.	Description	Size (ml)	Stock No.	Price Each
● 3616	Chipbonder Surface Mount Adhesive — Stencil Print	300	31M3705	203.21

7360™ SURFACE MOUNT ADHESIVE CLEANER

Mfg. part no. 7360™ is a non-CFC, low-odor, solvent-base cleaner that's ideal for cleaning stencils, screens and dispensing nozzles used to apply surface mount adhesives and for removal of adhesives from misprinted printed circuit boards. Fully-compatible with Chipbonder® epoxy adhesives, ordered separately above. Perfect for providing a clean surface for good adhesion and adhesive cure.

Mfg. Part No.	Description	Size (ml)	Stock No.	Price Each
● 7360	Surface Mount Adhesive Cleaner	500	31M3711	61.49

(90374)

CYANOACRYLATE INSTANT ADHESIVES



PRISM® HIGH-PERFORMANCE INSTANT ADHESIVES

401™ Prism® surface-insensitive instant adhesive is designed for hard-to-bond surfaces which require uniform stress distribution and strong tension and/or shear strength. Provides rapid bonding of a wide range of materials, including metals plastics and elastomers. Suited for bonding porous or absorbent materials such as wood, paper, leather and fabric. Low viscosity. Easy-to-use, requires no mixing. Transparent, dries clear.

Mfg. Part No.	Description	Tube Size (gm.)	Stock No.	Price Each
● 40104	401™ Prism Surface-Insensitive Instant Adhesive	3	00Z790	6.58

454™ Prism® surface-insensitive instant gel adhesive designed for the assembly of hard-to-bond materials which require uniform stress distribution and strong tension and/or shear strength. Provides rapid bonding of a wide range of materials, including metals, plastics and elastomers. Suited for bonding porous or absorbent materials such as wood, paper, leather and fabric. The gel consistency prevents adhesive flow even on vertical surfaces. High viscosity. Easy-to-use, requires no mixing. Transparent, dries clear.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 45404	454™ Prism Surface-Insensitive Instant Gel Adhesive	3 gm. Tube	92B8319	7.88
● 21925	454™ Prism Surface-Insensitive Instant Gel Adhesive	10 gm. Syringe	00Z1279	21.70
● 45440	454™ Prism Surface-Insensitive Instant Gel Adhesive	20 gm. Tube	93B7002	28.54

460™ Prism® low-odor, low-bloom alkoxy instant adhesive suitable for applications in areas with low ventilation. The low-bloom feature makes it ideal for use where the finished part must be cosmetically perfect. Bonds metals, plastics and elastomers. Medium viscosity. Easy-to-use, requires no mixing. Transparent, dries clear.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 46004	460™ Prism Low-Odor/Low-Bloom Instant Adhesive	3 gm. Tube	90B8937	9.02
● 46040	460™ Prism Low-Odor/Low-Bloom Instant Adhesive	20 gm. Bottle	91B9746	30.01

4210™ Prism® thermally-resistant instant adhesive is ideal for bonding close fitting parts. Perfect for bonding metals, plastics and rubbers. Toughened with elastomers for impact and peel strength along with improved resistance to heat and humidity. Low viscosity. Thermally resistant up to 250°F. Color: Black.

Mfg. Part No.	Description	Tube Size (gm.)	Stock No.	Price Each
● 19757	4210™ Prism Thermally-Resistant Instant Adhesive	3	00Z1275	8.04

SUPER BONDER® INSTANT ADHESIVES

409™ Super Bonder® general-purpose, ethyl cyanoacrylate instant gel adhesive bonds rubbers, plastics and metals. Fills gaps to 0.010". Thick gel consistency prevents adhesive flow even on vertical surfaces. Easy-to-use, requires no mixing. Transparent, dries clear.

➤ CONTINUED ➤

CYANOACRYLATE INSTANT ADHESIVES (CONT.)

Mfg. Part No.	Description	Tube Size (gm.)	Stock No.	Price Each
● 40904	409™ Super Bonder General-Purpose Instant Gel Adhesive	3	00Z1037	5.45

416™ Super Bonder® general-purpose, ethyl cyanoacrylate instant adhesive for bonding and gap-filling plastics, as well as, metals and rubbers. Fills gaps to 0.008". Low-viscosity. Easy-to-use, requires no mixing. Transparent, dries clear.

Mfg. Part No.	Description	Bottle Size (oz.)	Stock No.	Price Each
● 41650	416™ Super Bonder Gap-Filling Instant Adhesive	1	94B2341	26.01

430™ Super Bonder® industrial-grade, general-purpose, methyl cyanoacrylate instant adhesive for bonding close-fitting metal parts. Also instantly bonds plastics and rubbers. Fills gaps to 0.005". Low-viscosity. Easy-to-use, requires no mixing. Transparent, dries clear.

Mfg. Part No.	Description	Bottle Size (oz.)	Stock No.	Price Each
● 43050	430™ Super Bonder Industrial-Grade, General-Purpose Instant Adhesive	1	90B9011	20.43

495™ Super Bonder® general-purpose, ethyl cyanoacrylate instant adhesive for bonding plastics, metals and rubbers. Fills gaps to 0.004". High-viscosity. Easy to use, requires no mixing. Transparent, dries clear.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 49504	495™ Super Bonder General-Purpose Instant Adhesive	3 gm. Tube	00Z806	4.66
● 49550	495™ Super Bonder General-Purpose Instant Adhesive	1 oz. Bottle	00Z807	26.01

499™ Super Bonder® thermal-cycling, ethyl cyanoacrylate instant gel adhesive bonds rubbers, plastics and metals. Fills gaps to 0.010". Ideal for heat-resistant applications and general-purpose use. Offers superior resistance to humidity. Easy-to-use, requires no mixing. Transparent, dries clear.

Mfg. Part No.	Description	Tube Size (gm.)	Stock No.	Price Each
● 49945	499™ Super Bonder Thermal Cycling Instant Gel Adhesive	20	11C1564	23.45

BLACK MAX® INSTANT ADHESIVE

QUICK SET™ INSTANT ADHESIVE

404™ QuickSet™ general-purpose instant adhesive for bonding of plastics and elastomeric materials where very fast fixturing is required. Ideal for rubber O-rings. Low viscosity. Easy-to-use, requires no mixing. Transparent, dries clear.

Mfg. Part No.	Description	Bottle Size (oz.)	Stock No.	Price Each
● 46551	404™ Quick Set General-Purpose Instant Adhesive	0.33	90B5607	23.21
● 46548	404™ Quick Set General-Purpose Instant Adhesive	4	00Z1831	150.41

(68850)

BEAD-ON-BEAD THERMALLY-CONDUCTIVE ADHESIVES



Just Added

These two-part filled acrylic bead-on-bead thermal-conductive adhesives are designed to cure when the two components come into contact with one another with no primer or heat required. Specially engineered for ease of use without compromising thermal performance. Intended to thermally couple and structurally bond heat sinks to heat dissipating electronic components. Typical applications include power transistors, rectifiers and other power devices, as well as memory chips, chipsets and graphic processors. Mfg. part no. 3875 when its two parts are used together, provide a 5 minute fixture time, curing fully in 24-48 hours. Mfg. part no. 3876 when its two parts are used together, provide a 3-5 minute fixture time, curing fully in 24-72 hours. This two-part self-shimming adhesive contains 7 mil. glass spacer beads to create a uniform bond-line providing consistent thermal properties and a known dielectric value to the interface.

Mfg. Part No.	Description	Size (ml)	Stock No.	Price Each
3875	Two-Part Bead-On-Bead Thermally-Conductive Adhesive	30	39M4023	85.79
3876	Two-Part Self-Shimming Bead-On-Bead Thermally-Conductive Adhesive	30	39M4024	92.37

(90383)

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(94640)



ADHESIVE PRODUCTS

TAK PAK® INSTANT ADHESIVES, ACCELERATORS AND KIT



Mfg. part no. 12292 444™ Tak Pak® instant adhesive is designed for printed circuit board assembly and repair. Cures instantly with 7452™ and 712™ Tak Pak® accelerators, ordered separately below. Mfg. part no. 20419 444™ Tak Pak® instant adhesive and accelerator kit includes 444™ Tak Pak® instant adhesive (one 20g bottle) and 7452™ Tak Pak® acetone-based accelerator (one 0.7 oz. aerosol can).

20419 444™ Tak Pak® Kit

Mfg. Part No.	Description	Bottle Size (gm.)	Stock No.	Price Each
● 12292	444™ Tak Pak Instant Adhesive	20	90B6324	21.15
● 20419	444™ Tak Pak Instant Adhesive and Accelerator Kit		81H3332	35.54

382™ ultra-performance Tak Pak® cyanoacrylate instant adhesive formulated for wire tacking and electronic component mounting applications. Bonds rubbers, plastics and metals. Fast-curing, high-viscosity. Easy-to-use, requires no mixing. Transparent, dries clear. Designed for use with 7452™ and 712™ Tak Pak® accelerators, ordered separately below, to attain instant cures for tacking electronics components.

Mfg. Part No.	Description	Bottle Size (gm.)	Stock No.	Price Each
● 38240	382™ Tak Pak Ultra-Performance Wiring Tacking Instant Adhesive	20	00Z789	29.35

7452™ Tak Pak® acetone-based and 712™ isopropanol-based accelerators are used where increased cure speed of cyanoacrylate adhesives is required. They can be either pre- or post-applied to the bond. Especially suited for post-application on cyanoacrylate adhesive to provide rapid fixturing. Typical applications include securing wires or coils to PCBs, tamperproofing adjustable components, mounting stand-offs, edge guides and board stiffeners. Color: clear/amber. NOTE: Because acetone may adversely affect some thermal plastic substrates, 712™ Tak Pak® isopropanol-based accelerator is recommended for these materials.

Mfg. Part No.	Description	Size	Stock No.	Price Each
● 18490	7452™ Tak Pak Acetone-Based Accelerator	1.75 oz. Brush-Cap Bottle	90B8317	9.92
● 20352	712™ Tak Pak Isopropanol-Based Accelerator	1.75 oz. Bottle	00Z1829	11.89

(7518)

LIQUID THREADLOCKERS



Threadlocker single-component, anaerobic adhesives cure only when confined between metal parts. Solvent-resistant, low-toxicity, nonflammable. Ideal for threadlocking, thread sealing, gasketing, retaining and bonding. Lock nuts, bolts, and studs to prevent vibration and wear. Seal out moisture that causes corrosion. Available in varying viscosities and strengths for many applications.



222MS™ THREADLOCKER — LOW-STRENGTH

222MS™ threadlocker is ideal for fastener diameters of 1/4" (6mm) and smaller. Controlled lubricity for accurate clamp loads. Parts can be separated using hand tools. Applications include adjustable screws, calibration screws, meters and gauges. Meets MIL-S-46163A specifications for existing designs, agency approval rated ASTM D-5363, NSF P1, CFIA.

Mfg. Part No.	Description	Color	Bottle Size (ml)	Stock No.	Price Each
● 22221	222MS™ Threadlocker Low-Strength Adhesive	Purple	10	00Z781	17.29
● 22231	222MS™ Threadlocker Low-Strength Adhesive	Purple	50	00Z782	48.20

242® THREADLOCKER — MEDIUM-STRENGTH

242® general-purpose, removable threadlocker for fasteners between 1/4" and 3/4" (6 to 20mm) diameters. Controlled lubricity for accurate clamp loads. Parts can be separated using hand tools. Applications include machine tools and presses, pumps and compressors and mounting bolts. Meets MIL-S-46163A specifications for existing designs, agency approval rated ASTM D-5363, NSF/ANSI 61, NSF P1, ABS, CFIA.

Mfg. Part No.	Description	Color	Size (ml)	Stock No.	Price Each
● 24205	242® Threadlocker Medium-Strength Adhesive	Blue	0.5 Capsule	98B9938	1.83
● 24221	242® Threadlocker Medium-Strength Adhesive	Blue	10 Bottle	00Z783	17.23
● 24231	242® Threadlocker Medium-Strength Adhesive	Blue	50 Bottle	00Z784	48.05

262™ THREADLOCKER — MEDIUM-TO-HIGH STRENGTH

262™ permanent threadlocker for fasteners up to 3/4" (20mm) diameter. High-lubrication for easy assembly. Excellent for preventing rust and corrosion in extreme chemical/environmental conditions. Meets MIL-S-46163A specifications for existing designs, agency approval rated ASTM D-5363, NSF P1, ABS, CFIA.

Mfg. Part No.	Description	Color	Bottle Size (ml)	Stock No.	Price Each
● 26221	262™ Threadlocker Medium-to-High Strength Adhesive	Red	10	00Z944	17.35

➔ CONTINUED ➔

LIQUID THREADLOCKERS (CONT.)

271™ THREADLOCKER — HIGH-STRENGTH

271™ permanent, low-viscosity threadlocker for fasteners up to 1" (25mm) in diameter. Ideal for heavy equipment, suspension bolts, bearing cap bolts/studs, and motor and pump mounts. Meets MIL-S-46163A specifications for existing designs, agency approval rated ASTM D-5363, UL classified for U.S., CFIA.

Mfg. Part No.	Description	Color	Bottle Size (ml)	Stock No.	Price Each
● 27121	271™ Threadlocker High-Strength Adhesive	Red	10	00Z785	16.81
● 27131	271™ Threadlocker High-Strength Adhesive	Red	50	00Z786	47.55

272™ THREADLOCKER — HIGH-STRENGTH/HIGH TEMPERATURE

272™ threadlocker withstands temperatures to 450F. Provides a fast cure on most surfaces, including "as received" fasteners. Recommended for bolts up to 1 1/2" (38mm) in diameter. Removable with heat and hand tools. Ideal for heavy equipment, suspension bolts, bearing cap bolts/studs, and motor and pump mounts. Agency approval rated CFIA.

Mfg. Part No.	Description	Color	Bottle Size (ml)	Stock No.	Price Each
● 27240	272™ Threadlocker High-Strength/High-Temperature Adhesive	Red	50	00Z945	48.24

290™ THREADLOCKER — WICKING GRADE

290™ medium-strength, wicking-grade threadlocker for preassembled bolts and instrumentation screws up to 1/2" (12mm) diameter on electrical connectors and carburetors. Penetrates threads by capillary action. Secures set screws and other assemblies after setting are complete. Seals welds and porous metal parts. Protects threads from rust and corrosion. Localized heating and hand tools are needed for disassembly. Meets MIL-S-46163A specifications for existing designs, agency approval rated ASTM D-5363, NSF/ANSI 61, NSF P1, CFIA.

Mfg. Part No.	Description	Color	Bottle Size (ml)	Stock No.	Price Each
● 29021	290™ Threadlocker Wicking-Grade Adhesive	Green	10	00Z787	18.09
● 29031	290™ Threadlocker Wicking-Grade Adhesive	Green	50	00Z788	47.83

(68851)

609™ RETAINING COMPOUND



Mfg. part nos. 60921 and 60931 609™ retaining compound is a press fit, general-purpose low-viscosity adhesive used for joining close-fitting parts. Fixtures in 10 minutes and provides a shear strength up to 3000 psi on steel after 24 hours. Fills diametral gap distances up to 0.005". Easily joins dissimilar metals. Withstands temperatures to 300°F. Color: Green.

Mfg. Part No.	Description	Bottle Size (ml.)	Stock No.	Price Each
● 60921	609™ Retaining Compound	10	00Z803	17.36
● 60931	609™ Retaining Compound	50	00Z804	35.80

(68853)

8

POTTING AND ENCAPSULATING COMPOUNDS

Just Added



US1150

US2651

Epoxy and urethane encapsulants are specially designed for potting electronics. Composed of two components that require mixing, all types are designed for easy machine metering/dispensing and conveniently cure at room temperature.

EPOXY

Mfg. part no. ES1000 is an epoxy two-component, long pot life casting system with excellent handling properties. Non-abrasive filler offers good thermal shock resistance and low exotherm. Volume mix ratio: 1 to 1. Cures to black. Mfg. part no. ES2500 is an epoxy two-component, fast gelling potting compound. This low-abrasion resilient filler meets UL94HB flame retardancy to 1.5mm thickness. Volume mix ratio: 2 to 1. Cures to black.

Mfg. Part No.	Description	Size (ml)	Stock No.	Price Each
● ES1000	2-Part Epoxy Potting and Encapsulating Compound — High Viscosity, Soft Filler	200	31M3701	35.08
● ES2500	2-Part Epoxy Potting and Encapsulating Compound — Low Viscosity	200	31M3702	38.55

URETHANE

Mfg. part no. ES1150 is an extended polybutadiene/MDI base, mineral-filled, medium-hardness, ambient cure urethane two-component potting compound used for potting electronics or devices for protection against environmental hazards. Volume mix ratio: 1 to 4. Meets UL94V-0 flame retardant rating. Cures to black. Mfg. part no. ES2651 unfilled, low-viscosity, re-enterable urethane potting compound used to encapsulate electronics for automotive applications including "under-the-hood". Volume mix ratio: 1 to 1. Cures to a clear amber.

Mfg. Part No.	Description	Size (ml)	Stock No.	Price Each
● US1150	2-Part Urethane Potting and Encapsulating Compound — Medium Hardness	200	31M3703	39.55
● US2651	2-Part Urethane Potting and Encapsulating Compound — Soft Re-Enterable	200	31M3704	36.18

(90384)

ADHESIVE PRODUCTS • BURNISHERS

ELECTRICALLY-CONDUCTIVE ADHESIVES



Electrically-conductive adhesives provide a robust mechanical bond and a low-impedance electrical interconnection for board level assembly. Room-temperature-curing makes it suited for bonding heat-sensitive components where solder temperatures are impractical. Delivers a lead-free alternative to solder and allows nonsolderable substrates like plastic or glass to be used.

Just Added



3888™



5421™

3888™ ELECTRICAL INTERCONNECT ADHESIVE

Mfg. part no. 3888™ epoxy adhesive is designed for bonding metals, ceramics, rubbers and plastics used in electronic parts, where good adhesion combined with electrical and thermal conductivity is required. Two parts: silver paste resin and clear hardener.

Mfg. Part No.	Description	Size (gm)	Stock No.	Price Each
● 3888	Electrically-Conductive Epoxy Adhesive	2.5	31M3709	24.95

5421™ ISOTROPICALLY-CONDUCTIVE ADHESIVE

Mfg. part no. 5421™ silicone adhesive is used for automotive sensor bonding and gasketing of EMI/RFI shielded enclosures. Room-temperature-cures to make a flexible, formed-in-place, electrically conductive bond. Easy-to-use tan paste requires no mixing.

Mfg. Part No.	Description	Size (ml)	Stock No.	Price Each
● 5421	Isotropically-Conductive Silicone Adhesive	50	31M3710	360.39

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CIRCUITWORKS® CONDUCTIVE EPOXY



Conductive Silver Epoxy provides excellent electrical conductivity. Ideal for precision repairs and high-strength conductive bonding. Restores defective traces and creates jumpers to board. Quick solderless electronic connections. Multilingual instructions and regulatory information included. One 7g tube of adhesive and one 7g tube of hardener conveniently packaged in a blister pack.



Mfg. Part No.	Description	Size	Stock No.	Price Each
				1-4
● CW2400	Conductive Epoxy	2, 7g Syringes	00Z1602	37.64

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INDUSTRIAL ADHESIVES



3500-11S

3505-11S

3510-14S

GENERAL PURPOSE ADHESIVE SPRAY

Adheres in seconds to almost any rough or smooth surface including paper fabric plastic and lightweight metal. Also use for temporary positioning. Maximum temperature: 100°F. Furnished in 16-oz. (11 oz. net wt.) aerosol can.

ECONOMY ADHESIVE SPRAY

Heavy-duty spray holds heavy objects with a strong, instant grip. Use to permanently bond wood, paper, glass, metal and plastics. Maximum temperature: 130°F. Furnished in 16-oz. (11.35 oz. net wt.) aerosol can.

TECH HOLD

Fast bonding high impact holding and high strength adhesive.

Mfg. Part No.	Description	Stock No.	Price Each
			1-11
3500-11S	General Purpose Adhesive Spray	81C8428	6.49
● 3505-11S*	Economy Adhesive Spray	81C8429	7.95
3510-14S*	Contact Adhesive Spray	81C8430	7.99
● 2503-DP*	Tech Hold, 3 grams	69K8374	3.19

*Use selectable nozzle for wider spray pattern (7217)

GD SERIES TENSION GAUGES



The GD series gauges feature extreme accuracy, ease of use, sleek design and durability. thousands of different applications for measuring, calibrating, standardizing, testing and evaluation.

SMALL GAUGES - DIAL DIAMETER 1½"

GD-200

Mfg. Part No.	Range In Grams	Graduation In Grams	Stock No.	Price Each
				1-4
GD-1	0 - 10	0.25	35F1185	145.86
GD-5	5 - 50	1.00	35F1139	268.71
GD-15	15 - 150	5.00	35F1140	278.85

LARGE GAUGES - DIAL DIAMETER 2-1/2"

GD-50	60 - 500	20.00	50F5460	560.10
GD-100	100 - 1000	25.00	35F1141	299.54
GD-200	200 - 2000	50.00	50F5461	560.10
GD-400	400 - 4000	100.00	35F1147	560.10

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DIAMOND BURNISHING SPATULA KIT



Abrasive diamond particles clean relay contacts with minimal pressure. With nominal material removal you won't alter normal contact gaps. Mfg. part no. K-234 3-piece kit contains coarse 0.019" (0.483); medium 0.017" (0.432) thick; fine 0.011" (0.279) thick.



Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● K-234	Diamond Burnishing Spatula (Kit)	35F1100	207.35
● D-200	Coarse (Each)	35F1101	64.73
● D-300	Medium (Each)	35F1102	64.73
● D-400	Fine (Each)	35F1103	69.78

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CONTACT BURNISHERS



Plastic/insulated handles for working on live contacts. Tools are packaged in a clear plastic vial for protection from grease and moisture. Handles are color-coded for size identification. Length: 3". Width: ¼" except for mfg. part no. OB-1, which is ⅜". Sold in packages of 12.



Mfg. Part No.	Description	Stock No.	Price Each
			1-4
OB-1	Fine Contacts	35F2219	40.37
OB-2	Extra Sensitive Points	35F2220	55.35
OB-3	General-Purpose	35F2221	94.76
OB-4	Industrial	35F2222	117.89

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POCKET-TYPE BURNISHERS AND BLADES



Used to remove corrosion on relay and switch contact points. For all types of metal including: platinum, silver, gold, molybdenum and tungsten. Blade adjusts for both length and rigidity. Supplied with replacement blades stored in pen barrel at the other end. Sturdy plastic barrel and cap for dielectric work. Length: 4½", diameter: ⅜". Blades are ⅜" wide x 1½" long. Rods are ball-ended, 0.020" in diameter x 1¼ long.



Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● PB-3R	Same as mfg. part no. PB-3 Plus 6 Abrasive Rods	50F5448	54.79
● PB-7	Pen with 6 Blades, 0.007" Thick	50F5449	48.55
● B-7/25	Replacement Blades for PB-7 (0.007") (Pkg. of 25)	50F5452	58.95
● B-3/25	Replacement Blades for PB-3 (0.0035") (Pkg. of 25)	50F5450	58.95

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LUBRICANTS • CONFORMAL COATINGS • SCRUBS • WIPES

DEEP PENETRATING LUBRICANT



Just Added

Mfg. part no. ES1626 is specially engineered to clean, displace moisture, inhibit corrosion, reduce friction and protect metal surfaces in one easy step. Formulated to provide long-lasting protection and improved performance to electrical and electronic contacts, DPL[®] lubricant is the extra-strength multipurpose lubricant that provides a long-lasting film that protects metals from corrosion under the most extreme conditions.

Mfg. Part No.	Description	Stock No.	Price Each
● ES1626	Deep Penetrating Lubricant, 11oz. Aerosol	84K7728	8.81

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KONFORM[®] CONFORMAL COATINGS



Mfg. part no. CTAR acrylic resin is engineered for effective insulation against high-voltage arcing and shorts. Acrylic coating stable from -75°F/-59°C to +270°F/137°C. High dielectric strength of 8300V/mil. Provides excellent acid-resistance. Meets military standards: MIL-I-46058C, Type AR. Mfg. part no. CTSR silicone coating engineered for maximum flexibility and protection from extreme temperatures and vibration damage. Silicone coating stable from -85°F/-64°C to +390°F/200°C. High dielectric strength of 1100 volts/mil. Meets military standards: MIL-I-46058C, Type SR qualifications. All types UL recognized.

Mfg. Part No.	Size	Stock No.	Price Each
● CTAR-12	11.5 oz.	00Z1203	23.89
● CTAR-1	1 gal.	95B9179	218.60
● CTSR-12	10 oz.	00Z1201	28.74
● CTSR-1	1 gal.	94B4217	274.79
● CTSR-HV1	1 gal.	93B3184	863.86

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SCRUBS[®] IN-A-BUCKET



Heavy-duty, waterless hand cleaner towels with proven pumice performance that can be used anywhere, anytime. Loosen, dissolve and absorb dirt, grease, oil, paint, adhesive, tar, caulk and more. They are antibacterial (contain Triclosan), while conditioning and softening hands. 72 count per bucket. Size: 10½ x 12¼.

Mfg. Part No.	Stock No.	Price Each
● 42272	19C9362	27.04

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WIPES



Mfg. part no. C600 and C900, Twillwipes[™], are textured cotton wipes that trap contaminants and particulates. Highly absorbent.

Mfg. Part No.	Size	Pkg. of	Stock No.	Price Each
● C900	9 x 9"	150	50F9483	99.96

Mfg. part no. C920, Opticwipes[™], are soft, nonabrasive wipes for cleaning optical-grade surfaces, laboratory equipment and computer components.

● C920	9 x 9"	500	50F9486	52.47
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Mfg. part no. C910, Controlwipes[™], are 100% lint-free cellulose polyester blend for maximum contamination control.

● C910	9 x 9"	150	50F9485	45.03
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Mfg. part no. QbE, Cleaning System, is ideal for cleaning fiber optic end faces and is effective in "wet" or "dry" applications.

● QBE	3 x 3"	200	49H7682	59.10
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WIPES (CONT.)

Mfg. Part No.	Size	Pkg. of	Stock No.	Price Each
● 6209	9 x 9"	150	16C7310	65.65
● 6709	9 x 9"	300	49H7726	34.32
● 6704	4 x 4"	100	23C2071	37.44
● 6713	12 x 13"	50	82H1738	10.04

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PRESATURATED PADS



Presaturated swabs and wipes combine highly effective cleaners and static dissipative treatments with the convenience of a disposable applicator.

Mfg. part no. CSP20 is a 2-part, cleaning and static-control system for CRT screens. Cleans and controls static. Sold in box of 25.

Mfg. Part No.	Description	Stock No.	Price Each
● CSP20	Screen Prep	00Z1516	32.25

Mfg. part no. CP421 Electro-Wash[®] MX is the extra strength universal cleaner degreaser safe for use on plastics with a moderate evaporation time. Sold in box of 25.

● CP421	Electro-Wash MX	97C8402	52.28
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Mfg. part no. T021 Electro-Wash[®] MX Tubes are easy-to-use presaturated wipes with a moderate evaporation rate. 100 Wipes Per Container.

● T021	Electro-Wash MX	97H7684	50.46
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Mfg. part no. CP410 premoistened lens-grade tissue is for cleaning/polishing CRT optical surfaces, lenses, photographic equipment and CRT screens. Sold in box of 50.

● CP410	Optic Prep	00Z1512	27.33
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Mfg. part no. CP400 general-purpose lint-free, nonabrasive pads are presaturated with IPA ideal for cleaning magnetic heads, computers, office equipment, and electronic appliances. Sold in box of 50.

● CP400	Chempad	00Z1513	29.98
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Mfg. part no. CS25 lint-free polyurethane foam swabs (type CF2050) presaturated with IPA. Sold in box of 25.

● CS25	Chemswab	00Z1515	37.73
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Mfg. part no. SIP100P IPA presaturated wipes for general purpose cleaning. Ideal for cleaning solder paste off of SMT stencils. 100 wipes packaged in pop-up tub dispenser.

● SIP100P	IPA Wipes	01C5050	27.24
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Mfg. part no. SIP48P IPA presaturated wipes are a general purpose presaturated wipe in a convenient tub dispenser. 48 wipes packaged in pop-up tub dispenser.

● SIP48P	IPA Presaturated Wipes	97H7683	19.66
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TECHCLEAN[®] WIPES



TECHCLEAN[®] WIPER CLEANING WIPES

Techclean[®] Wiper general-purpose cleaning wipes are made of hydroentangled cellulose/polyester fiber that's highly absorbent and lintfree. Manufactured and packaged in a Class 100 cleanroom and Class 100 certified. These C-folded wipes are packaged to stay contaminant-free until opened and then pack provides convenient dispensing. Color: white.

Mfg. Part No.	Description	Wipe Size (in.)	Stock No.	Pkg. of	Price per Pkg.
● 2350-100	Techclean Wiper Cleaning Wipes	9x9	68K7379	100	20.11

TECHCLEAN[®] ABSORBWIPE CLEANING WIPES

Soft, non-abrasive polyester wipes are perfect for cleaning optical equipment and other sensitive surfaces. Highly absorbent to six times their own weight, these flat wipes are available in two popular sizes. Packaged to stay contaminant-free until opened and then pack provides convenient dispensing. Color: white.

● 2351-100	Techclean AbsorbWipe Cleaning Wipes	4x4	68K7380	100	7.51
● 2352-100	Techclean AbsorbWipe Cleaning Wipes	9x9	33K2636	100	21.44

➤ CONTINUED ➤

WIPES • DISPENSING EQUIPMENT

TECHCLEAN® WIPES (CONT.)

Mfg. Part No.	Description	Wipe Size (in.)	Stock No.	Pkg. of	Price per Pkg. 1-4
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Extra-absorbent, textured, hydroentangled cellulose/polyester wipes are designed to enhance cleaning effectiveness. The texture secures soils, preventing scratching and smearing of sensitive surfaces. These textured flat wipes are available in two popular sizes. Packaged to stay contaminant-free until opened and then pack provides convenient dispensing. Color: white.

● 2354-100	Techclean UltraWipe Textured Cleaning Wipes	12x12	68K7381	100	44.14
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TECHCLEAN® PURWIPE™ REUSEABLE CLEANING WIPES

Purewipes™ feature a polyester fiber interlocking knit designed for super-high absorbency, low particulate generation, and high-durability. Made tough, these flat wipes can be used repeatedly without fraying. Cleanroom compatible. Packaged to stay contaminant-free until opened and then pack provides convenient dispensing. Color: white.

● 2355-100	Techclean Purwipe Reuseable Cleaning Wipes	9x9	68K7382	100	36.44
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TECHCLEAN® SMT FOAM CLEANING WIPES

Specifically designed for cleaning surface mount stencils and screening equipment, these flat, polyurethane foam wipes trap particulates and liquids. Ideal for lintfree cleaning. Packaged to stay contaminant-free until opened and then pack provides convenient dispensing. Color: white.

● 2358-50	Techclean SMT Cleaning Wipes	9x9	68K7383	50	42.72
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TECHCLEAN® SMT BLUE CLEANING WIPES

Specifically designed for general maintenance, these flat, cellulose/polyester wipes are highly absorbent with extra-low particulate and chemical extractables. Packaged to stay contaminant-free until opened and then pack provides convenient dispensing. Color: blue.

● 2359-300	Techclean SMT Blue Cleaning Wipes	9x9	68K7384	300	40.04
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TECHCLEAN® TWILLWIPE CLEANING WIPES

Tightly woven cotton twill wipes are perfect for cleaning abrasive surfaces, even in static-sensitive areas. Their high-tensile strength prevents shredding and excessive linting. Packaged to stay contaminant-free until opened and then pack provides convenient dispensing. Color: white.

● 2357-100	Techclean Twillwipe Cleaning Wipes	6x6	95C0422	100	20.88
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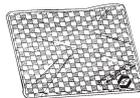
ANTI-STATIC, ESD-SAFE WIPES

Made of a special continuous-filament polyester fiber that includes DuPont® Negastat® carbon yard to prevent static build-up, fraying and particulate generation. Each flat wipe is inspected and hermetically-sealed in "ultra clean" packages in a Class 100 cleanroom that meets Federal Standard 209. Color: white.

● 2362-150	Anti-Static ESD-Safe Wipe	9x9	69K4407	150	103.07
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MICRO-FIBER CLEANING CLOTH



Micro-fiber cloth is ideal for cleaning computer monitor screens, copier glass, TV screens, eyeglasses, and lenses of all kinds. 90% polyester/nylon cloth is made up of super-fine, high-density lint-free fibers that lift dirt, fingerprints, oil, and water from delicate surfaces without scratching, streaking, or smearing. It is washable and can be reused thousands of times. Cloth contains no chemicals and does not require chemicals for use. Size: 7 1/2" square.

Mfg. Part No.	Stock No.	Price Each 1-24
2943	92N4432	7.39

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DISPENSING SYRINGES AND ADAPTERS



AIR-OPERATED LUER LOK™ TIP SYRINGES — UNASSEMBLED, NON-CALIBRATED

Industrial syringes with Luer Lok™ tip is ideal for micro-air dispensing. Works with Kahnnetics® Shot Meter dispensers; ordered separately; go online or call. These unassembled, non-calibrated syringes include barrel and plastic stopper.



Mfg. Part No.	Syringe Size (cc)	Stock No.	Pkg. of	Price per Pkg. 1-4
A5LLPS	5	17C6570	20	12.18
A10LLPS	10	17C6567	15	10.43
A30LLPS	30	17C6569	10	10.83

MANUAL LUER LOK™ TIP SYRINGES — UNASSEMBLED, NON-CALIBRATED

These manual, unassembled syringes include barrel, rubber stopper and plunger rod.

Mfg. Part No.	Syringe Size (cc)	Stock No.	Pkg. of	Price per Pkg.
M3LL	3	17C6594	20	6.77
M5LL	5	17C6596	20	12.18

MANUAL LUER LOK™ TIP SYRINGES — ASSEMBLED, CALIBRATED

This manual, assembled syringe includes graduated barrel, rubber stopper, plunger rod and tip cap.

Mfg. Part No.	Syringe Size (cc)	Stock No.	Pkg. of	Price per Pkg. 1-4
M10LLASSM	10	30M2687	15	10.65

UNIVERSAL SYRINGE ADAPTER ASSEMBLIES

Plugs directly into any Kahnnetics Shot Meter dispenser; ordered separately. Compatible with Luer Lok™ tip air-operated syringes ordered separately above. Works with all manufacturer's syringes. Features 360° swivel head for ease of motion. Adapters come with either metal or lightweight plastic grippers. Metal versions fit many odd size

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DISPENSING SYRINGES AND ADAPTERS (CONT.)

syringes best. Use with single component, two-part, self-leveling, and nonself-leveling materials. Produces repeatable shots of material and requires minimal clean-up. Syringe adapter assembly comes complete with syringe adapter head, 6-ft. air line and fitting.

Mfg. Part No.	Fits Syringe Size (cc)	Gripper	Stock No.	Price Each 1-4
KDS810S-6	10	Metal	95B6164	29.02
KDS510S-6	10	Plastic	95B6155	24.19
KDS830S-6	30	Metal	95B6167	29.02
KDS530S-6	30	Plastic	95B6157	23.22

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DISPENSING NEEDLES



- Blunt tip
- Color-coded plastic threaded hub
- Disposable and non-sterile

Stainless steel, antistatic, opaque dispensing needles lock onto Luer Lok™ style syringes; ordered separately. Sold in packages of 50. Additional package quantities are available; go online or call Newark.

Mfg. Part No.	Gauge	Needle Length	I.D.	O.D.	Hub Color	Stock No.	Price per Pkg. 1-4
KDS1412P	14	1/2"	0.067"	0.083"	Dark Green	33C3807	14.51
KDS141P	14	1"	0.067"	0.083"	Dark Green	17C7303	12.32
KDS1512P	15	1/2"	0.060"	0.072"	Orange	25C3726	14.51
KDS151P	15	1"	0.060"	0.072"	Orange	17C7304	14.51
KDS1612P	16	1/2"	0.053"	0.064"	Purple	33C3814	12.32
KDS161P	16	1"	0.053"	0.064"	Purple	17C7305	12.32
KDS16112P	16	1 1/2"	0.053"	0.064"	Purple	33C3813	12.04
KDS1812P	18	1/2"	0.038"	0.050"	Pink	33C3819	8.58
KDS181P	18	1"	0.038"	0.050"	Pink	17C7308	7.28
KDS1912P	19	1/2"	0.032"	0.042"	Brown	33C3823	7.28
KDS2012P	20	1/2"	0.026"	0.035"	Yellow	33C3828	8.58
KDS201P	20	1"	0.026"	0.035"	Yellow	17C7311	7.28
KDS2112P	21	1/2"	0.023"	0.032"	Green	33C3832	7.28
KDS2212P	22	1/2"	0.019"	0.028"	Black	33C3835	7.28
KDS221P	22	1"	0.019"	0.028"	Black	17C7313	7.28
KDS2312P	23	1/2"	0.017"	0.025"	Light Blue	33C3838	7.28
KDS2512P	25	1/2"	0.012"	0.020"	Blue	33C3842	8.58
KDS3012P	30	1/2"	0.006"	0.012"	Lavender	33C3848	12.80

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PLASTIC TAPER TIP NEEDLES



- Polyethylene Taper Tip Luer Lok
- Overall Length of 1 1/2"
- Prevents Surface Scratches
- Tapered Feature helps Alleviate Dripping Problems
- Additional Package Quantities Available; Go online or call



Mfg. Part No.	Gauge	Nominal I.D.	Color	Pkg. Qty.	Stock No.	Price per Pkg. 1-4
KDS14TNP	14	0.063"	Salmon	50	33C3805	14.46
KDS16TNP	16	0.048"	Grey	50	33C3812	14.46
KDS18TNP	18	0.034"	Green	50	33C3816	14.44
KDS20TNP	20	0.024"	Pink	50	33C3824	14.46
KDS22TNP	22	0.017"	Blue	50	33C3833	14.46

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DELUXE NEEDLE SAMPLE KIT



500-piece assortment consists of all sizes and needle types, caps and scabbards. Includes a handy plastic carrying case.



Mfg. Part No.	Stock No.	Price Each 1-4
KDS660	17C6577	101.66

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