



# TECHSPRAY®







**TECHSPRAY®**

**Precision, Safety, Performance...**

**Advanced Chemistries to Improve Your Products & Processes.**

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Techspray specializes in cleaners, coatings, and other chemicals and tools that improve efficiency, safety, and performance.

#### PRECISION

Techspray is trusted where process control is essential. **Precision-V™** is the latest solvent line designed to meet the cleanliness standards of aviation, electronics, and other critical cleaning applications. Precision-V is the ideal choice to replace AK225 as it approaches EPA phase-out in 2015.

#### SAFETY

Techspray offers cutting-edge technologies to improve safety for personnel and the environment. **G3 Industrial Cleaner™** replaces toxic chemicals like nPB, TCE, and Perc, which are commonly used in industrial applications.

**Techspray Renew™** products provide eco-friendly solutions for electronics assembly and plant maintenance. Natural, biodegradable ingredients, low VOC (volatile organic compounds), and zero GWP (global warming potential) are key benefits of Eco-Shower™, Eco-Shine™, Eco-Stencil™, and Eco-Oven™ cleaners.

**Turbo-Coat™** is an acrylic conformal coating with fast dry time and no HAPS (hazardous air pollutants).

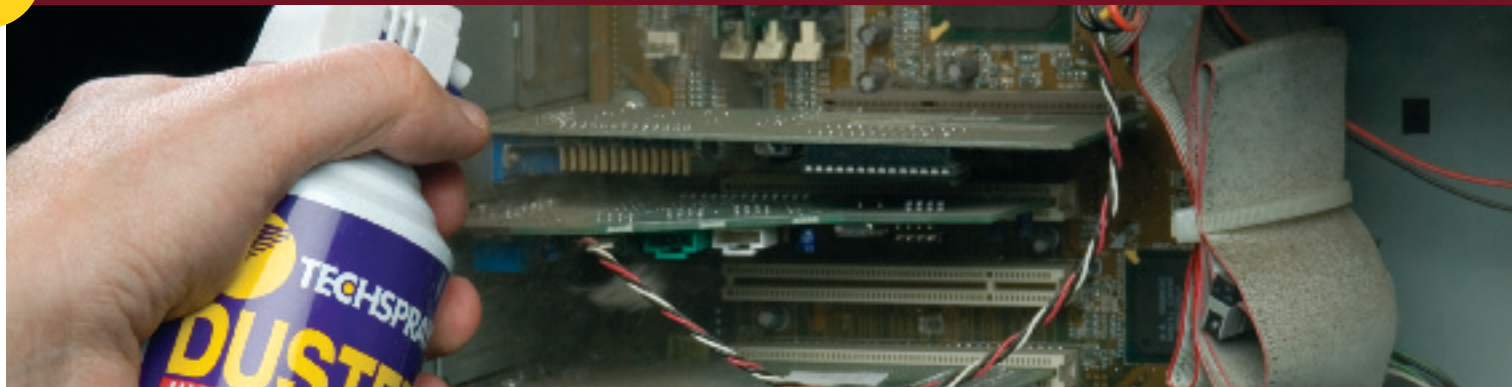
All Techspray products are RoHS and REACH compliant.

#### PERFORMANCE

Techspray products are developed to improve your products and processes. We accomplish this through powerful cleaners, effective coatings, and top-notch customer service. Contact us at 800-858-4043 or [tsales@techspray.com](mailto:tsales@techspray.com).

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## DUSTER

**Techspray dusters blow away dust**, microscopic contaminants, lint, metallic oxide deposits and other soils that can cause heat build-up or shorts in sensitive electronics.

- **Moisture Free**
- **Non-Ozone Depleting**
- **Zero Residue**
- **VOC Exempt**
- **Safe on Plastics**

### 1673

#### ECONOMY DUSTER

Economical HFC-152a based duster.

- Best Value — 30% More Volume
- Lower Global Warming Potential — 10% of HFC-134a
- Velocity — 11.4 m/s

**1673-10S** 10 oz aerosol

*Note: not for use on powered electrical equipment, on hot surfaces, and around open flames or sparks.*



### 1671

#### NON-FLAMMABLE DUSTER

100% non-flammable HFC-134a based duster.

- Non-Flammable
- Safest Choice for Energized Equipment
- Velocity — 11.3 m/s

Specifications: GM HMA 12993-F, Chrysler Corp NPM# 85-147-6381 (1671-10S), Ford Tox #142435, NSN# 6830-01-335-9925 (1671-10S), Delco C00012555

**1671-10S** 10 oz aerosol

**1671-15S** 15 oz aerosol

**1671-10RS** 10 oz aerosol refill (for use with 1928)

**1928** Chrome trigger



1671-10S

### 1697

#### VORTEX™ HIGH VELOCITY DUSTER

High velocity, non-flammable dusters blast away dust and dirt. Vortex 360° (1697-8S) can be sprayed while tilted in any direction without dispensing liquid.

- Most Powerful Blast
- Non-Flammable
- Vortex 360° Sprays Upside-down
- Velocity — 14.6 m/s



1697-8S 1697-10S



Freeze spray helps locate faulty components and cold solder joints.

## FREEZE SPRAY

**Rapidly evaporating liquid** that super-chills isolated areas. Used as a troubleshooting aid for intermittently faulting capacitors, resistors, semiconductors, and other defective components. It also increases visibility of cold solder joints, cracks in printed circuit boards and oxidized junctions.

- **Non-Flammable**
- **Moisture Free**
- **Safe on Plastics**
- **Non-Ozone Depleting**
- **Zero Residue**
- **VOC Exempt**

**1697-8S** Vortex 360° 8 oz aerosol

**1697-10S** 10 oz aerosol

### 1672

#### FREEZE SPRAY

Pure HFC-134a freeze spray.

- Chills Down To -60°F (-51°C)
- Non-Flammable
- Safe for Energized Equipment

Specifications: Ford Tox #1422434, GM HMA 120993-H, McDonnell-Douglas 558-1672-10S, NSN# 6850-01-406-1356 (1672-10S)

**1672-10S** 10 oz aerosol

**1672-15S** 15 oz aerosol



1672-10S



### 1747

#### ANTI-STATIC FREEZE SPRAY

Contains additive that avoids static build-up, critical when working with ESD-sensitive components.

- Avoids Static Build-up
- Prevents Latent Failures
- Chills Down To -40°F (-40°C)
- Non-Flammable



See Full ESD Line — Pages 20-21



# MAINTENANCE CLEANERS



**Maintenance cleaners clean oil** and contaminants off of metal parts, printed circuit boards, barcode instruments, switch boxes, gear boxes, and engines.

Techspray has produced Blue Shower® maintenance cleaners for over 30 years, making Blue Shower a staple in maintenance departments all over the world!

**Contact cleaners remove oxidation, oil,** and other contaminants off of contacts, metal switches, motors, relays, generators, edge connectors, buss bars, circuit breakers, scales and sensors. Contact cleaners are used in electrical maintenance and to repair faulty contacts by removing insulative contamination.

Techspray offers a variety of solvents and water-based cleaners that allow customers to match the right products with their cleaning needs. Choosing a strong, high quality cleaner saves time and money. Grease and oil flow right off, reducing the time and materials needed to scrub off stubborn soils.



**TECHSPRAY RENEW™ branded cleaners are innovative** solutions that combine the best of current “green” technologies to make the most powerful green cleaners on the market.

TECHSPRAY RENEW™ products are designed through close coordination with end-users, ensuring that first and foremost, the products have superior performance. Performance is our top priority, using the best “green” solutions as they become available.



1500-QT

1500-G

1500-72DSP

## 1500

### ECO-SHOWER™ CLEANER & DEGREASER

Innovative water-based formula uses naturally-derived ingredients like citrus and soy oils to soak in and quickly cut through oil and grease.

Use full strength for heavy grease or dilute with water for general cleaning. Also great for cleaning polished stainless steel and removing adhesive and ink, even from fabric!

Convenient pre-saturated wipes with dual-texture that has scrubbing surface on one side, wiping surface on the other.



- Clean Heavy Oil & Grease
- Concentrated and Dillutable
- Non-Flammable
- Non-Corrosive, Moderate pH
- Safe on Most Plastics and Painted Surfaces
- Biodegradable
- Low VOC, Zero GWP
- Non-Ozone Depleting

Specifications: Mercedes Benz MSC # 3104

<b>1500-72DSP</b>	72 count pre-saturated wipes, 6" x 10.5" (15cm x 26.7cm)
<b>1500-QT</b>	1 quart (.95L) w/ trigger sprayer
<b>1500-G</b>	1 gallon (3.8L) in plastic jug
<b>1500-5G</b>	5 gallons (19L) in plastic tub
<b>1500-54G</b>	54 gallons (205L) in plastic drum
<b>1500-275G</b>	275 gallon (1045L) tote

#### DILUTION INSTRUCTIONS

- **100%** – Caked-on grease, grills\*, oil stains
- **10:1** – Greasy tools, concrete stains\*, vents, heavily stained (food) appliances\*, scuff marks on doors, heavy grease on wheels
- **30:1** – Chrome fittings, stainless steel, light general cleaning

\* If on food processing equipment or walking surfaces, must be washed/mopped thoroughly to avoid slippery surface and undesirable residues.

All Techspray solvent maintenance and contact cleaners have the following advantages:

- Safe on Electronics
- Zero Residue
- EPA SNAP Approved
- Rapid Evaporation
- Non-Corrosive

## 1620

### ECOLINE™ BLUE SHOWER MAINTENANCE CLEANER

Hydrocarbon-based cleaner formulated to be powerful, yet very economical. Eliminate brushing and scrubbing, saving time and materials.

- Powerful Cleaner
- Ideal for Sensitive Plastics
- Non-Ozone Depleting

Specifications: USDA: Approved K-2 rated aerosol.

<b>1620-10S</b>	10 oz aerosol
<b>1621-5G</b>	33 lbs in 5 gal (18.9L) metal drum
<b>1621-54G</b>	321 lbs in 54 gal (204L) metal drum



1620-10S

## 1622

### ECOLINE™ CONTACT CLEANER

Hydrocarbon-based contact cleaner formulated to be powerful, yet very economical. Eliminate brushing and scrubbing, saving time and materials.

- Powerful Cleaner
- Ideal for Sensitive Plastics
- Non-Ozone Depleting

Specifications: (Aerosol) GM H1017; USDA Approved K-2 rated aerosol and bulk

<b>1622-10S</b>	10 oz aerosol
<b>1622-13S</b>	13 oz aerosol
<b>1621-5G</b>	33 lbs in 5 gal (18.9L) metal drum
<b>1621-54G</b>	321 lbs in 54 gal (204L) metal drum



1622-10S

## 1630

**BEST SELLER!**

### G3 BLUE SHOWER MAINTENANCE CLEANER

Patented non-flammable cleaner formulated to be powerful, yet economical. Eliminate brushing and scrubbing, saving time and materials.

- Non-Flammable
- Powerful Cleaner
- Non-Ozone Depleting
- Dielectric Strength – 27.3 kv

Specifications: B-28678 = Blue Shower G3, Ford Tox #167818, Boeing spec D6-17487 rev. P

<b>1630-10S</b>	10 oz aerosol
<b>1630-16S</b>	16 oz aerosol



1630-16S

## 1632

### G3 CONTACT CLEANER

Patented non-flammable contact cleaner formulated to be powerful, yet economical. Eliminate brushing and scrubbing, saving time and materials.

- Non-Flammable
- Powerful Cleaner
- Non-Ozone Depleting
- Dielectric Strength – 36.2 kv

Specifications: B-28681 = Contact Cleaner G3, Ford Tox #167835, Boeing spec D6-17487 rev. P

<b>1632-16S</b>	16 oz aerosol
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## 1635

### G3 INDUSTRIAL MAINTENANCE CLEANER

Perfect for all types of degreasing, metal cleaning, contact cleaning, and other maintenance cleaning. Quickly blasts off oils, greases, silicones, dirt and grime. This patented cleaner is much safer than the three most common non-flammable industrial solvents: TCE, nPB, and Perc.

- Non-Flammable Aerosol
- All-in-one Degreaser & Contact Cleaner
- Rapid Evaporation
- Low Toxicity Compared to TCE, nPB & Perc
- Dielectric Strength – 30.5 kv

<b>1635-20S</b>	20 oz aerosol
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## 1638

### G3 UNIVERSAL BULK CLEANER

Powerful, non-flammable bulk cleaner that is ideal for manual cleaning of heavy greases, silicone, and other oils, R, RA and no-clean fluxes. Also recommended for ultra-sonic cleaning.

- Non-Flammable
- Powerful Cleaner
- All-In-One Degreaser and Defluxer

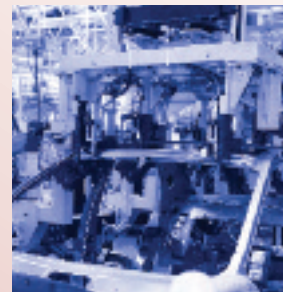
<b>1638-G</b>	1 gal in glass
<b>1638-5G</b>	50 lbs in 5 gal (18.9L) metal drum
<b>1638-54G</b>	580 lbs in 54 gal (204L) drum

The use of G3 products for cleaning are subject to U.S. patent No. 5,902,412 and use is restricted by Techspray.



1638-G

## Applications:



**Automotive Assembly & Maintenance**



**Transit Maintenance**



**Plant Maintenance**



**Field Maintenance**



# MAINTENANCE/PRECISION CLEANERS

## Applications:



Lens Cleaning



Fiber Optics Cleaning



Critical Electronics & Surface Cleaning



Aviation/Aerospace Maintenance

1651



## FLUX REMOVER & MAINTENANCE CLEANER

Ideal for aviation and other applications where strict VOC caps apply. Bulk chemicals ideal for cold/bucket cleaning and ultrasonics (not intended for vapor degreasing).

- Non-Flammable
- Low VOC
- Safe on Most Plastics
- Non-Ozone Depleting
- Dielectric Strength – 14 kv

<b>1651-16S</b>	16 oz aerosol
<b>1651-P</b>	1 pint (.48L) in glass bottle
<b>1651-G</b>	1 gal (3.8L) in glass bottle
<b>1651-5G</b>	50 lbs in 5 gal (18.9L) metal drum



1651-16S

1652



## PLASTIC-SAFE UNIVERSAL CLEANER

Engineered for use on sensitive plastic components, packaging and casements. Ideal for optics cleaning, critical electronics and other sensitive surfaces. Qualifies under the aerospace NESHAP VOC guidelines.

- Non-Flammable
- Low VOC
- Safe on Sensitive Plastics
- Non-Ozone Depleting
- Dielectric Strength – 23 kv

Specifications: NESHAP 63.741-753

<b>1652-10S</b>	10 oz aerosol
<b>1652-P</b>	1 pint (.48L) in glass bottle
<b>1652-G</b>	1 gal (3.8L) in glass bottle



1652-10S

1663

## ASAHIKLIN AK225 ELECTRONIC MAINTENANCE CLEANER

Non-flammable, high precision cleaner that is ideally suited for the most sensitive rubbers and plastics that are prone to swelling. 100% AK225, which is a VOC exempt cleaner. Qualified for oxygen systems cleaning.

- Non-Flammable
- High Precision — Residue Free
- Ideal for Highly Sensitive Plastics
- VOC Exempt

Specifications: NASA SE-5-0073-Shuttle, (Aerosol) Ford Tox #036375, USDA: Approved K-2 rated aerosol and bulk.

Note: Not available in Canada

<b>1663-8S</b>	8 oz aerosol
<b>1663-18S</b>	18 oz aerosol
<b>1663-G</b>	1 gal (3.8L) in glass bottle
<b>1663-5G</b>	55 lbs in 5 gal (18.9L) metal drum
<b>1663-54G</b>	660 lbs in 54 gal (204L) metal drum



1663-8S

1664

## KLEEN ATMS ELECTRONIC MAINTENANCE CLEANER

Non-flammable, strong AK225-based cleaner ideally suited for metal cleaning. Can also be used as a defluxer when soldering components.

- Degreaser & Defluxer
- Non-Flammable
- Powerful Cleaner

Specifications: Ford Tox #143333, USDA: approved K-2 rated aerosol and bulk

Note: Not available in Canada

<b>1664-8S</b>	8 oz aerosol
<b>1664-18S</b>	18 oz aerosol
<b>1664-G</b>	1 gal (3.8L) in glass bottle
<b>1664-5G</b>	50 lbs in 5 gal (18.9L) metal drum
<b>1664-54G</b>	600 lbs in 54 gal (204L) metal drum



1664-18S

## MAINTENANCE & CONTACT CLEANERS

Key: ● = Best ○ = Acceptable ○ = Not applicable / Not recommended

Product	Non-Flammable	Plastic Safe	Low VOC	Heavy Grease	Precision Cleaning	Sales Highlights
1620 Ecoline Blue Shower	○	●	○	●	●	Economical & Powerful
1622 Ecoline Contact Cleaner	○	●	○	●	●	Economical & Powerful
1630 G3 Blue Shower	●	○	○	●	●	Strongest Non-flammable
1632 G3 Contact Cleaner	●	○	○	●	●	Strongest Non-flammable
1635 G3 Industrial Cleaner	○	○	○	●	○	Strongest Non-flammable
1638 G3 Universal Bulk Cleaner	●	○	○	●	○	Strongest Non-flammable
1651 Precision-V Cleaner	●	●	○	●	●	High Precision
1652 Precision-V Plastic-Safe Cleaner	●	●	○	○	●	High Precision, Plastic-Safe
1663 Asahiklin AK225	●	●	●	○	●	High Precision
1664 Kleen ATMS	●	○	○	●	○	Strong Non-flammable
1667 AK225 Blue Shower II	●	●	●	●	●	High Precision
1668 AK225 Contact Cleaner II	●	●	●	○	●	High Precision



## 1667

### AK225 BLUE SHOWER II MAINTENANCE CLEANER

Non-flammable, high precision cleaner that is ideally suited for sensitive plastics often used in seals and outer casings.

- Non-Flammable
- High Precision — Residue Free
- Ideal for Sensitive Plastics
- Low VOC

Specifications: Ford Tox #031474, USDA: approved K-2 rated aerosol and bulk

Note: Not available in Canada

- |                 |                                    |
|-----------------|------------------------------------|
| <b>1667-8S</b>  | 8 oz aerosol                       |
| <b>1667-18S</b> | 18 oz aerosol                      |
| <b>1667-5G</b>  | 50 lbs in 5 gal (18.9L) metal drum |



1667-18S

## 1668

### AK225 CONTACT CLEANER II

Non-flammable, high precision contact cleaner that is ideally suited for sensitive plastics often used in seals and outer casings.

- Non-Flammable
- High Precision — Residue Free
- Ideal for Sensitive Plastics
- Low VOC

Specifications: Ford Tox #143516, USDA: approved K-2 rated aerosol

Note: Not available in Canada

- |                 |               |
|-----------------|---------------|
| <b>1668-8S</b>  | 8 oz aerosol  |
| <b>1668-18S</b> | 18 oz aerosol |



1668-8S

## GLASS & SURFACE CLEANERS

### 1505



### ECO-SHINE™ GLASS & SURFACE CLEANER

Cleans glass, stainless steel, chrome, mirrors, tile, plastic, ceramic and enamel and leaves a streak-free finish. Effectively removes finger prints, light oils, and other soils. Made from 100% naturally-derived and sustainable ingredients.



1505-QT

1505-100DSP

Convenient pre-saturated wipes available in a pop-up dispenser. Wipe material is low linting and designed to polish as it cleans.

- Streak-Free\*
- Non-Flammable
- Non-Ammoniated — Safe on Sensitive Surfaces
- Biodegradable
- Low VOC, Zero GWP
- Non-Ozone Depleting

**1505-100DSP** 100 count pre-saturated wipes, 6" x 8" (15cm x 20cm)

**1505-QT** 1 quart (0.95L) w/ trigger sprayer

**1505-G** 1 gal (3.8L) in plastic jug

\* If optical clarity is critical, use quart or gallon of Eco-Shine with lint-free wipe (e.g. 2340-100, pg. 24)



## 1625

### GLASS CLEANER

Foaming, non-streaking glass, plastic, and surface cleaner.

- Foaming Action
- Streak-Free
- Safe on Glass & Plastics
- Non-Flammable
- Non-Ozone Depleting

Specifications: GM H1018, Ford Tox #142432

- |                 |               |
|-----------------|---------------|
| <b>1625-18S</b> | 18 oz aerosol |
|-----------------|---------------|



## Applications:



### Glass & Surface Cleaning



### Casino Maintenance



### Solar Panel Cleaning



### Electronics Repair



# MAINTENANCE CLEANERS

## Applications:



Card Reader  
Cleaning



ATM & Touch  
Screen Cleaning



Hotel Maintenance

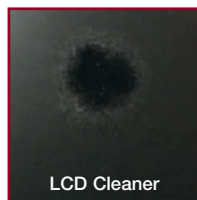


Copier & Printer  
Maintenance

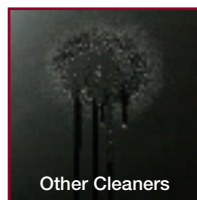
1605

## LCD & PLASMA SCREEN CLEANER

Designed to clean sensitive surfaces including non-glare LCD and plasma screens. Best if used with 2368-2 microfiber wipe. Gel formula will not run down into sensitive equipment.



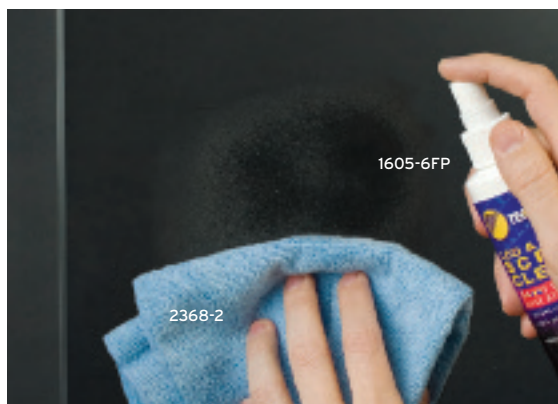
LCD Cleaner



Other Cleaners

- Cleans Sensitive Surfaces
- Scratch-Free
- Alcohol & Ammonia Free
- Streak-Free

<b>1605-6FP</b>	6 oz (180ml) finger-pump spray bottle
<b>1605-KIT</b>	8 oz (240ml) finger-pump spray bottle and 1 microfiber cleaning wipe
<b>2368-2</b>	2 16" x 16" (40.6cm x 40.6cm) dry wipes w/hemmed edges



## SERVICE & REPAIR PRODUCTS

1612

## RUBBER REJUVENATOR & PLATEN CLEANER

Citrus-based solvent designed to clean and revitalize rubber rollers and platens. Improves rubber roller grip and reduces misfeeds and jams.

- Improves Roller Grip
- Natural Citrus-Based Solvent
- Safe on Most Plastics
- Non-Ozone Depleting

Specifications: Ford Tox #142415  
Note: Not available in California

**1612-2SQ** 2 oz plastic bottle



1603

## TECHCLEAN® CARD READER CLEANER

Credit card size (2 1/8" x 3 3/8" / 5.4cm x 8.6cm) paper card pre-saturated with IPA. Removes dirt, magnetic oxides, and other contaminants from credit card readers, ATM terminals, hotel doors, slot machines, and other types of readers.



- Increases Reliability of Readers
- Convenient Pre-Saturated Card
- Safe on Plastics
- Non-Corrosive
- Non-Ozone Depleting

**1603-50PK** 50 individually wrapped cards

1613

## LABEL & ADHESIVE REMOVER

Citrus-based solvent safely and effectively removes labels and adhesive gums off equipment and products. Penetrates quickly and allows label to be peeled off without gummy residue.

- Removes Labels and Adhesive Without Scraping
- Penetrates Rapidly
- Natural Citrus-Based Solvent
- Safe on Most Plastics
- Non-Ozone Depleting

Specifications: 1613-2SQ - Ford Tox #142422  
Note: Not available in California

**1613-6S** 4.5 oz aerosol



1915

## TV COOLANT

Projection TV heat transfer fluid used by many large screen television manufacturers. Used to cool projection TV guns.

- Heat Transfer Fluid
- Non-Flammable
- Crystal Clear
- For Most Brands of Projection TVs
- Low Odor
- Non-Ozone Depleting

**1915-16SQS** 16 oz. (.48L) squeeze bottle



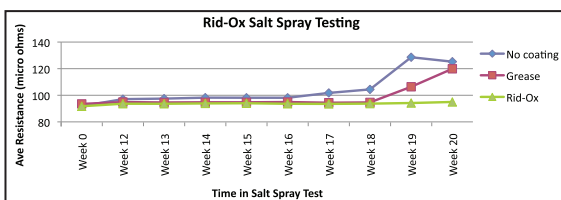


**2112**

## RID-OX™ CONTACT PROTECTOR

Used to remove oxides and sulfides, major causes of contact degradation. The non-insulative protective layer prevents oxidation and remains stable even under harsh conditions. Safe on most plastic and rubber seals.

- Cleans & Protects Contacts
- Lubricates for Easy Insertion
- Prevents Oxidation
- Non-Corrosive
- Safe on Gold and Platinum Connectors

**2112-6S** 6 oz aerosol


*Rid-Ox is proven to prevent contact degradation from oxidation.*

## PRECISION LUBRICANTS

**Techspray's precision lubricants** are specifically designed to clean, lubricate, and protect electronic and electromechanical devices. Silicone based and can be used as a general light lubricant, displace water, and waterproof.

**2420**

## SLIC™ SILICONE LUBRICANT

Hydrocarbon based lubricant is an effective and economical solution.

- Plastic Safe
- Displaces Water
- Waterproofs

**2420-10S** 10 oz aerosol

**2421**

## G3 KLEEN-IT™ SILICONE LUBRICANT

Patented, non-flammable G3 formula cleans oxides, grease, and other contamination as it lubricates.

- Non-Flammable
- Cleans as it Lubricates
- Displaces Water
- Waterproofs

**2421-12S** 12 oz aerosol


*The use of G3® products for cleaning are subject to U.S. patent No. 5,902,412 and use is restricted by Techspray.*

## INDUSTRIAL ADHESIVES

**Techspray Industrial adhesives** are designed to work with a wide variety of substrates including paper, cloth, cardboard, wood, etc. Three types of spray adhesives are available, providing a range of adhesive strength and spray patterns.

**3500**

## HEAVY-DUTY ADHESIVE

This low soak-in adhesive exhibits particular strength when bonding surfaces such as dry wall, brick and concrete block. Heavy-Duty Adhesive will also work on surfaces such as paper, plastic, foam, wood and other fabrics. Excellent for both temporary and permanent bonds.

- High Strength
- Fast Tacking
- Water Resistant
- Non-Wrinkling

**3500-11S** 11 oz aerosol

**3505**

## ECONOMY ADHESIVE

This adhesive works extremely well on surfaces such as paper, cloth, cardboard, felt, foam rubber and most plastics and glass. High-solids content provides quick-tack ability. Web spray pattern covers larger areas quickly.

- Water Resistant
- Non-Wrinkling
- 3-Way Valve

**3505-11S** 11 oz aerosol

**3510**

## CONTACT ADHESIVE

This multi-purpose adhesive spray is ideal for bonding of polyethylene to various surfaces in preparation for asbestos abatement. Also works extremely well on paper, cloth, cardboard, felt, foam, rubber, most plastics and glass.

- Quick-Tack Ability
- Water Resistant
- Flexible
- 3-Way Valve

**3510-14S** 14 oz aerosol


### Applications:



**Electrical Harness Servicing**



**Electrical Repair**



**Electromechanical Lubrication**



**Facilities Maintenance**

# VAPOR-DEGREASER/ULTRASONIC SOLVENTS

## AK225 2015 PHASE-OUT

### ABOUT AK225 PHASE-OUT

The EPA has mandated, under obligations set by the Montreal Protocol, the phase out of AK225 products by 2015.

AK225 blends are commonly used in vapor-degreaser cleaning in applications where aggressive cleaning without residue is required. Because AK225 is an HCFC, it is ozone depleting and scheduled for phase-out by 2015.

All AK225 usage, except in a very small set of exemptions (e.g. defense), will be banned along with production and importation.

### TECHSPRAY HAS A SOLUTION!

The dates have been set, but all the specific requirements are not in place. We expect ever tightening restrictions to be enacted before 2015, at the national, state, and municipal level. We recommend starting the qualification process now to avoid sudden restrictions hindering your output.

Techspray has developed Precision-V solvent cleaners to replace AK225 solvents. Precision-V is formulated to maintain the benefits of AK225: non-flammability, plastic-safety, and azeotropic properties (for vapor-degreasers).

The following is a cross reference:

### AEROSOL & COLD CLEANING

- |                                   |   |
|-----------------------------------|---|
| • AK225 No-Clean (1660)           | • Precision-V Flux Remover & Maintenance Cleaner (1651) |
| • AK225 ATMS (1664)               |   |
| • AK225 AMS (1665)                |   |
| • AK225 Blue Shower II (1667)     |   |
| • AK225 Contact Cleaner II (1668) |   |
| • AK225(1663)                     | • Precision-V Plastic Safe Universal Cleaner (1652)     |

### VAPOR DEGREASING

- |                     |  |
|---------------------|--|
| • AK225 ATE (1658)  | • Precision-V Vapor-Degreaser Parts Cleaner (1654) |
| • AK225 (1663)      |  |
| • AK225 ATMS (1664) |  |
| • AK225 AES (1666)  | • Precision-V Vapor-Degreaser Flux Remover (1655)  |
| • AK225 T(1669)     |  |

Call your Techspray representative to start the qualification process.

Source: <http://www.epa.gov/ozone/title6/phaseout/hcfc.html> and EPA Federal Register 40 CFR Part 82.11



## VAPOR-DEGREASER SOLVENTS

Ideal replacement for AK225-based cleaners, which will be phased out by 2015 due to ozone depletion restrictions. (See side bar at left)

Azeotropic properties that allow it to maintain stable as it is cycled in a vapor-degreaser. It is not reactive nor corrosive to metals commonly found in the construction of vapor-degreasers.

Exposure to Precision-V solvents is less hazardous than many other solvents commonly used in vapor-degreasers: e.g. TCE, nPB, and Perc.

Precision-V solvents have a lower boiling point than most other vapor-degreaser solvents. This reduces heat-stress on components being cleaned and reduces energy consumption from the boil sump and chiller coils.

### 1654



### VAPOR-DEGREASER PARTS CLEANER

Precision-V Parts Cleaner removes oils, greases, silicones and other common industrial contaminants.

- Non-Flammable
- Low VOC
- Safe on Most Plastics
- Rapid Evaporation
- Residue-Free
- Non-Ozone Depleting

- |                 |                                     |
|-----------------|-------------------------------------|
| <b>1654-G</b>   | 1 gal (3.8L) in glass bottle        |
| <b>1654-5G</b>  | 55 lbs in 5 gal (18.9L) metal drum  |
| <b>1654-54G</b> | 660 lbs in 54 gal (204L) metal drum |

### 1655



### VAPOR-DEGREASER FLUX REMOVER

Precision-V Flux Remover cleans R, RA, RMA and SA type flux residues after high temperature reflow, wave and hand-soldering. Ideal for lead and lead-free processes.

- Non-Flammable
- Low VOC
- Safe on Most Plastics
- Rapid Evaporation
- Residue-Free
- Non-Ozone Depleting

- |                 |                                     |
|-----------------|-------------------------------------|
| <b>1655-G</b>   | 1 gal (3.8L) in glass bottle        |
| <b>1655-5G</b>  | 55 lbs in 5 gal (18.9L) metal drum  |
| <b>1655-54G</b> | 660 lbs in 54 gal (204L) metal drum |



### 1658

### ASAHIKLIN AK225 ATE

AK225-based cleaner/degreaser configured for vapor degreasing and cold-batch cleaning.

- Non-Flammable
- Safe on Plastics
- Used in Vapor Degreasers & Cold Cleaning

Note: Not available in Canada

- |                |                                    |
|----------------|------------------------------------|
| <b>1658-5G</b> | 55 lbs in 5 gal (18.9L) metal pail |
|----------------|------------------------------------|

### 1663

### ASAHIKLIN AK225 ELECTRONIC MAINTENANCE CLEANER

Non-flammable, high precision cleaner that is ideally suited for the most sensitive rubbers and plastics that are prone to swelling. 100% AK225, which is a VOC exempt cleaner.

- Non-Flammable
- High Precision — Residue Free
- Ideal for Highly Sensitive Plastics
- VOC Exempt

Specifications: NASA SE-5-0073-Shuttle, (Aerosol) Ford Tox #036375, USDA: Approved K-2 rated aerosol and bulk.

Note: Not available in Canada

- |                 |                                     |
|-----------------|-------------------------------------|
| <b>1663-G</b>   | 1 gal (3.8L) in glass bottle        |
| <b>1663-5G</b>  | 55 lbs in 5 gal (18.9L) metal drum  |
| <b>1663-54G</b> | 660 lbs in 54 gal (204L) metal drum |



## 1664

### KLEEN ATMS ELECTRONIC MAINTENANCE CLEANER

Non-flammable, strong cleaner ideally suited for metal cleaning. Can also be used as a defluxer when soldering components.

- Degreaser & Defluxer
- Non-Flammable
- Powerful Cleaner

Specifications: Ford Tox #143333, USDA: approved K-2 rated aerosol and bulk  
*Note: Not available in Canada*

<b>1664-G</b>	1 gal (3.8L) in glass bottle
<b>1664-5G</b>	50 lbs in 5 gal (18.9L) metal drum
<b>1664-54G</b>	600 lbs in 54 gal (240L) metal drum

## 1665

### AK225 FLUX REMOVER AMS

Non-flammable, high precision flux remover that is ideally suited for sensitive plastics often used in packaging.

- High Precision — Residue-Free
- Non-Flammable
- Ideal for Sensitive Plastics

Specifications: Ford Tox #03025, USDA: approved K-2 rated bulk  
*Note: Not available in Canada*

<b>1665-5G</b>	50 lbs in 5 gal (18.9L) metal drum
<b>1665-54G</b>	600 lbs in 54 gal (240L) metal drum

## 1666

### ASAHIKLIN AK225 AES

AK225 and ethanol blend combines cleaning performance with increased user safety compared to methanol-based AMS. Configured for vapor degreasing and cold-batch cleaning.

- Non-Flammable
- Safe on Plastics
- Used in Vapor Degreasers & Cold Cleaning

Specifications: Ford Tox #143334S, USDA: Approved K-2 rated aerosol and bulk.  
*Note: Not available in Canada*

<b>1666-5G</b>	55 lbs in gal (18.9L) metal pail
<b>1666-54G</b>	660 lbs in gal (240L) metal drum

## 1669

### ASAHIKLIN AK225 T

Designed to prevent white residue and removes fluxes prone to white residue. Configured for vapor degreasing and cold-batch cleaning.

*Note: AK225 T is not an azeotrope, so density should be monitored and AES (1666) added to maintain consistent operating parameters.*

*Note: Not available in Canada*

- Ideal for No-Clean Fluxes
- Non-Flammable
- Safe on Plastics
- Used in Vapor Degreasers & Cold Cleaning

<b>1669-5G</b>	44 lbs in gal (18.9L) metal pail
<b>1669-54G</b>	550 lbs in 54 gal (240L) metal drum

## BULK CLEANER SELECTION CHART

Key: ● = Best    ○ = Acceptable    ○ = Not applicable / Not recommended

PRODUCT	COLD CLEANING	BENCH-TOP ULTRA-SONIC	VAPOR-DEGREASING	RINSING AGENT
<b>1500</b> – Eco-Shower Degreaser	●	●	○	○
<b>1505</b> – Eco-Shine Glass & Surface Cleaner	●	●	○	○
<b>1570</b> – Eco-Stencil Cleaner	●	●	○	○
<b>1573</b> – Eco-Oven Cleaner	●	●	○	○
<b>1608</b> – Isopropyl Alcohol (70%)	●	○*	○	○
<b>1610</b> – Isopropyl Alcohol (99.8%)	●	○*	○	●
<b>1621</b> – Ecoline Flux Remover & Maintenance Cleaner	●	○*	○	○
<b>1638</b> – G3 Universal Bulk Cleaner	●	●	○	○
<b>1651</b> – Precision-V Flux Remover & Maintenance Cleaner	●	●	○	○
<b>1652</b> – Precision-V Plastic-Safe Universal Cleaner	●	●	○	○
<b>1654</b> – Precision-V Vapor-Degreaser Parts Cleaner	●	○	●	○
<b>1655</b> – Precision-V Vapor-Degreaser Flux Remover	●	○	●	○
<b>1658</b> – AK225 ATE	●	●	●	○
<b>1663</b> – AK225	○	●	●	●
<b>1664</b> – AK225 ATMS	○	●	●	○
<b>1665</b> – AK225 AMS	●	●	●	○
<b>1666</b> – AK225 AES	●	●	●	○
<b>1667</b> – Blue Shower II	●	●	○	○
<b>1669</b> – AK225 T	●	○	○	○

\* non-heated ultra-sonic only

**NOTE:** Processes need to be specifically developed and maintained for proper ventilation, safety precautions, and solvent replenishment.

# FLUX REMOVERS



**Flux removers (defluxers) remove flux** residues and other contaminants left by manufacture, rework, or repair of printed circuit boards. Residues from higher, lead-free temperatures are more baked on and harder to clean. G3®, Ecoline™ and Precision-V™ flux removers have been proven very effective at removing fluxes baked on at lead-free temperatures.

Micro-components and fine pitch leads are delicate and easily damaged, so brushing and scrubbing should be avoided if possible. Both G3, Ecoline and Precision-V have a powerful spray and strong solvent that blasts off residues and cleans areas under components that a brush cannot touch.

**All Techspray flux removers have the following advantages:**

- **Help Create Bright, Shiny Solder Joints**
- **RoHS Compliant**
- **Rapid Evaporation**
- **No Oily Residue**
- **Non-Corrosive**

## 1621 ECOLINE FLUX REMOVER

Hydrocarbon-based defluxer formulated to be powerful, yet very economical. Eliminates brushing and scrubbing, saving time and materials.

- Powerful Cleaner
- Proven Effective for Lead-Free Processes
- Ideal for Sensitive Plastics
- Non-Ozone Depleting

Specifications: GM H1013; USDA Accepted; Ford Tox #142431, USDA: Approved K-2 rated aerosol and bulk.

<b>1621-10S</b>	10 oz aerosol
<b>1621-5G</b>	33 lbs in 5 gal (18.9L) metal drum
<b>1621-54G</b>	340 lbs in 54 gal (204L) metal drum



1621-10S

## 1631 G3 FLUX REMOVER

Patented defluxer formulated to be powerful and non-flammable, yet economical. Eliminates brushing and scrubbing, saving time and materials.

- Non-Flammable
- Powerful Cleaner
- Proven Effective for Lead-Free Processes
- Non-Ozone Depleting

Specifications: B-28680, Ford Tox #167834

<b>1631-5S</b>	5 oz aerosol w/brush attachment
<b>1631-10S</b>	10 oz aerosol
<b>1631-16S</b>	16 oz aerosol



1631-16S

## 1634 G3 NO-CLEAN FLUX REMOVER

The power of G3, but specifically formulated to avoid and clean white residues caused by no-clean fluxes.

- Non-Flammable
- Ideal for No-Clean Fluxes
- Proven Effective for Lead-Free Processes
- Non-Ozone Depleting

<b>1634-12S</b>	12 oz aerosol
-----------------	---------------



## 1638 G3 UNIVERSAL BULK CLEANER

Powerful, non-flammable bulk cleaner that is ideal for manual cleaning of R, RA and no-clean fluxes.

- Non-Flammable
- Powerful Cleaner
- All-In-One Degreaser and Defluxer

<b>1638-G</b>	1 gal (3.8L) in glass
<b>1638-5G</b>	50 lbs in 5 gal (18.9L) metal drum
<b>1638-54G</b>	580 lbs in 54 gal (204L) drum



1638-G

*The use of G3 products for cleaning are subject to U.S. patent No. 5,902,412 and use is restricted by Techspray.*



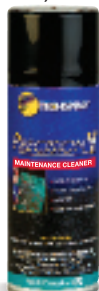
**1651**

## **PRECISION V FLUX REMOVER & MAINTENANCE CLEANER**

Formulated to reduce VOCs within your facility. Ideal for aviation and other applications where strict VOC caps apply (based on EPA VOC exemptions). Bulk chemicals ideal for cold/bucket cleaning and ultrasonics (not intended for vapor degreaser).

- Non-Flammable
- Low VOC
- Safe on Most Plastics
- High Precision – Residue-Free
- Non-Ozone Depleting

**1651-16S** 16 oz aerosol  
**1651-P** 1 pint (.47L) in glass bottle  
**1651-G** 1 gal (3.8L) in glass bottle  
**1651-5G** 50 lbs in 5 gal (18.9L) metal drum



1651-16S

**1652**

## **PRECISION V PLASTIC-SAFE UNIVERSAL CLEANER**

Plastic-Safe formula is engineered for use on sensitive plastic components, packaging and casements. Ideal for optics cleaning, critical electronics and other sensitive surfaces. Qualifies under the aerospace NESHAP VOC guidelines.

- Non-Flammable
- Low VOC
- Safe on Sensitive Plastics
- High Precision – Residue-Free
- Non-Ozone Depleting

Specifications: NESHAP 63.741-753

**1652-10S** 10 oz aerosol  
**1652-P** 1 pint (.47L) in glass bottle  
**1652-G** 1 gal (3.8L) in glass bottle



1652-10S

**1679**

## **ENVI-RO-TECH™ DEFLUXER**

Alcohol-based general duty defluxer and all-purpose cleaner for light oils, silicones, waxes, greases and other contaminants found in electronics manufacturing.

- Non-Aerosol
- Safe on Plastics
- Non-Ozone Depleting

**1679-PT** 1 pint (.47L) in plastic bottle w/trigger sprayer


**1660**

## **AK225 NO-CLEAN FLUX REMOVER**

Non-flammable, high precision, and specifically formulated to avoid and clean white residues caused by no-clean fluxes.

- High Precision — Residue-Free
- Non-Flammable
- Ideal for No-Clean Fluxes
- Ideal for Sensitive Plastics

Note: Not available in Canada

**1660-6S** 6 oz aerosol w/brush attachment


**1664**

## **KLEEN ATMS ELECTRONIC MAINTENANCE CLEANER**

Non-flammable, strong cleaner ideally suited for metal cleaning. Can also be used as a defluxer when soldering components.

- Degreaser & Defluxer
- Non-Flammable
- Powerful Cleaner

Specifications: Ford Tox #143333, USDA: approved K-2 rated aerosol and bulk

Note: Not available in Canada

**1664-8S** 8 oz aerosol  
**1664-18S** 18 oz aerosol  
**1664-G** 1 gal (3.8L) in glass bottle  
**1664-5G** 50 lbs in 5 gal (18.9L) metal drum  
**1664-54G** 600 lbs in 54 gal (204L) metal drum



1664-18S

**1665**

## **AK225 FLUX REMOVER AMS**

Non-flammable, high precision flux remover that is ideally suited for sensitive plastics often used in packaging.

- High Precision — Residue-Free
- Non-Flammable
- Ideal for Sensitive Plastics

Specifications: Ford Tox #03025, USDA: approved K-2 rated bulk

Note: Not available in Canada

**1665-8S** 8 oz aerosol  
**1665-18S** 18 oz aerosol  
**1665-5G** 50 lbs in 5 gal (18.9L) metal drum  
**1665-54G** 600 lbs in 54 (204L) metal drum



1665-8S

### FLUX REMOVERS

Product	Key: ● = Best ○ = Acceptable ○ = Not applicable / Not recommended						Sales Highlights
	Non-Flammable	Plastic Safe	Lead-Free Recommended	RA, RMA Flux Remover	No-Clean Flux Remover		
1621 Ecoline Flux Remover	○	●	●	●	●		Economic & Powerful
1631 G3 Flux Remover	●	○	●	●	●		Strongest Non-flammable
1634 G3 No-Clean Flux Remover	●	○	●	●	●		Strongest Non-flammable
1638 G3 Universal Bulk Cleaner	●	○	●	●	●		Strongest Non-flammable
1651 Precision-V Cleaner	●	●	●	●	●		High Precision
1652 Precision-V Plastic-Safe Cleaner	●	●	○	●	○		High Precision, Plastic-Safe
1660 AK225 No-Clean Flux Remover	●	●	○	●	●		High Precision
1664 Kleen ATMS Electronic Maintenance Cleaner	●	○	○	●	●		Strong, Non-flammable
1665 AK225 Flux Remover AMS	●	●	○	●	○		High Precision
1679 Envi-Ro-Tech	○	●	○	●	○		Non-aerosol

# SMT CLEANERS



## High Performance Eco-Cleaning™

### SMT STENCIL CLEANING

Thoroughly cleaning SMT (surface mount technology) stencils, tools and equipment is an important way to reduce misprints and increase throughput. Techspray SMT stencil cleaners are designed for rigorous production requirements.

#### 1570

#### ECO-STENCIL™ CLEANER

Effectively removes all types of solder paste (e.g. water-based, RMA, no-clean, lead-free) and uncured adhesive from screens, misprinted boards and equipment. Completely safe on stencils, squeegees, and equipment surfaces. Ideal replacement for IPA cleaners, which are often prohibited because of safety and environmental restrictions on VOC emissions or waste disposal issues.

- Quickly Clean Paste or Uncured Adhesive
- Biodegradable
- Safe for Stencils, Tools, Misprinted Boards
- Low VOC, Zero GWP
- Non-Flammable
- Non-Ozone Depleting

**1570-100DSP** 100 count pre-saturated wipes, 6" x 8" (15cm x 20cm)

**1570-QT** 1 quart (.95L) w/ trigger sprayer

**1570-G** 1 gal (3.8L) in plastic jug

**1570-GX10** 1 gal (3.8L) concentrate makes 10 gallons



1570-QT

1570-G

1570-100DSP

### SMT OVEN CLEANING

Used for periodic preventative maintenance to keep equipment running at top performance levels.

#### 1573

#### ECO-OVEN™ CLEANER

Cleans reflow ovens, wave soldering systems, and associated heat exchanger systems by removing all types of flux residues (e.g. water-based, RMA, no-clean, lead-free). It is fast acting and more effective and safe than IPA for baked-on flux residues.

- Quickly Clean Flux Residue from Oven & Wave Fingers
- Biodegradable
- Safe on Warm Ovens
- Low VOC, Zero GWP
- Non-Flammable
- Non-Ozone Depleting

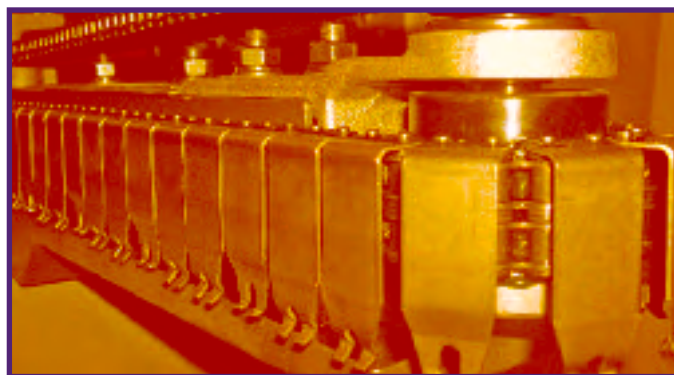


1573-QT

1573-G

**1573-QT** 1 quart (.95L) w/ trigger sprayer

**1573-G** 1 gal (3.8L) in plastic jug



### WAVE SOLDER FINGER CLEANING

One gallon container (1573-G) recommended for wave solder finger cleaning. Just pour into the reservoir and watch Eco-Oven attack caked on flux with each pass!



## TECHNICAL GRADE IPA

### ALL ALCOHOLS ARE NOT CREATED EQUAL

**99.8% pure anhydrous (containing the least water possible and no denaturant) isopropyl alcohol** is excellent for tape head cleaning, defluxing, stencil cleaning, other light cleaning, and as a flux thinner. Avoid "bargain" alcohols for critical electronic cleaning. Cheap alcohols contain much more water, which slows drying and can cause oxidation, while "denatured" alcohols leave residues.

Specifications: ACS reagent grade IPA, Fed spec TT-1-735A (amend 3, notice 2) grades A&B, ASTM D770-05.

### 1610

#### PRE-SATURATED WIPES

Convenient, low-linting wipes are pre-saturated with 99.8% pure IPA.

**1610-50PK** 50 individually wrapped wipes in dispenser box, 5 1/2" x 5 1/2" wipes

**1610-100DSP** 100 wipes in pop-up tub, 5" x 8" wipes



1610-100DSP

1610-50PK

#### SMALL DISPENSERS

Portable, pre-packaged dispensers ideal for work station and field service cleaning.

**1610-PT** 1 pint (.47L) in plastic bottle with trigger sprayer

**1610-P** 1 pint (.47L) in plastic bottle



1610-PT

#### BULK PACKAGING

**1610-G1** 1 gal (3.8L) in plastic bottle, 1 per carton

**1610-G4** 1 gal (3.8L) in plastic bottle, 4 per carton

**1610-5G** 32 lbs in 5 gal (18.9L) plastic pail

**1610-54G** 340 lbs in 54 gal (204L) plastic drum



1610-G4

### 1981

#### TECHPUMP REFILLABLE DISPENSER

Cap is pressed down to pump fluid into the lid. Air-tight check valve prevents evaporation, spillage, and fluid from dripping back inside and contaminating contents. Ideal for spot defluxing with swab. (e.g. 2306, pg. 27)

**1981** 1 empty 8oz bottle



## CLEANING GRADE IPA

### 1608

#### IPA & SMT STENCIL WIPES

70% IPA, 30% DI water blend for effective and economical stencil cleaning.

- Low Linting
- Convenient Packaging

**1608-100DSP** 100 wipes in a pop-up tub, 5" x 8" wipes

**1608-G4** 1 gal (3.8L) in plastic bottle, 4 per carton



1608-100DSP

1608-G4



## SMT UNDERSTENCIL ROLL WIPES

### 2366 • 2367

#### ROLL WIPES for DEK and MPM SMT Printers

Made from low-lint fabric and designed for vacuum operation.

- Maximum Absorbency
- Strong Both Wet & Dry
- Textured Non-Woven Poly-Cellulose Fabric
- Low Linting – Prevents Misprints
- Density 68 GSM



Part #	OEM Brand	Equip model	Core ID	Notch	Paper Width	Core Width	Matl Length
<b>2366-DEK</b>	DEK	DEK 265, #129051/GS, GSX & 288	0.75" (19mm)	1	20.3" (515mm)	20.9" (530mm)	39' (11.9 M)
<b>2367-MPM</b>	MPM	MPM #1485/AP & UP2000	0.75" (19mm)	0	17.5" (444mm)	18" (457mm)	39' (11.9 M)

See Full Wipe Line — Pages 22-23

# DESOLDERING BRAID

## CLEANEST NO-CLEAN WICK IN THE INDUSTRY!

**Desoldering braid (wick)** is pre-fluxed copper braid that is used to remove solder, which allows components to be replaced and excess solder to be removed.

Techspray wick is available in static dissipative bobbins (except where indicated) for static sensitive environments.



Techspray No-Clean wick is coated with proprietary flux that only leaves a slight clear residue, which does not cause service issues. Cleaning after using Techspray No-Clean wick is strictly optional.



Techspray Brand C

No-Clean Wick quickly removes solder without leaving harmful residues.

## DESOLDERING BRAID SELECTION CHART

#1 White	#2 Yellow	#3 Green	#4 Blue	#5 Brown	#6 Red	Match width to contact area
.035" (0.9mm)	.055" (1.4mm)	.075" (1.9mm)	.098" (2.5mm)	.130" (3.3mm)	.193" (4.9mm)	

Wick in selection chart shown actual size.

### Pro-Wick® Rosin – ESD-Safe Bobbin

For the fastest wicking action, rosin flux coated braid is ideal for high volume PCB production/repair environments.

	Size/Color	5'	10'	25'	100'	500'
	<b>1808</b> #1 White	1808-5F	1808-10F	—	1808-100F	—
	<b>1809</b> #2 Yellow	1809-5F	1809-10F	1809-25F	1802-100F*	1802-500F*
	<b>1810</b> #3 Green	1810-5F	1810-10F	1810-25F	1803-100F*	1803-500F*
	<b>1811</b> #4 Blue	1811-5F	1811-10F	1811-25F	1804-100F*	1804-500F*
	<b>1812</b> #5 Brown	1812-5F	—	—	—	—
	<b>1813</b> #6 Red	1813-5F	—	—	1806-100F*	—

\* 100' and 500' products listed are not packaged in ESD-safe spools



## SOLDERING TIPS

### Tip Shapes



Plato is one of the largest manufacturers of soldering tips in the world, producing tips to fit many of the most popular soldering stations. The long life and fast heat recovery of Plato soldering tips increases soldering effectiveness and decreases production times.

- Longer Tip Life
- Faster Heating
- Lower Cost



Go to [www.platoproducts.com](http://www.platoproducts.com) for extensive list of tip crosses

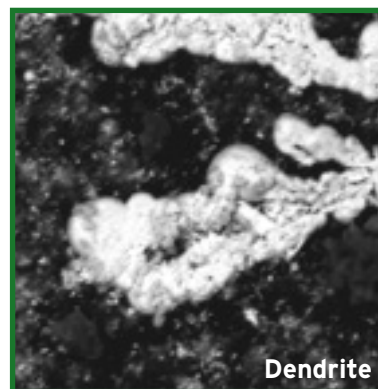
### Tip Crosses

Brand	Original Tip#	Plato#
<b>Weller</b>	ET series	EW series
	LT series	MS series
	PT series	C series
	EPH series	RX series
	MPH series	DX series
<b>Hakko</b>	900M series	HS series
	900L series	HS series
<b>Pace</b>	1121 series	33 series




## PREVENT LATENT FAILURES

Techspray No-Clean wick does not leave behind ionic flux residues that can collect and form branches called “dendrites”. Other fluxes, if not cleaned properly, can cause dendrites that grow over time (see A, B) and eventually cause short circuits between traces or leads (C). Latent failures lead to costly returns and lower the quality perception of your products.



## No-Clean Wick – ESD-Safe Bobbin

The cleanest No-Clean braid in the industry. The proprietary flux formula is specially designed to avoid catastrophic and latent PCB failures caused by ionic flux residue.




	Size/Color	5'	10'	25'	50'	100'
<b>1820</b>	#1 White	1820-5F	1820-10F	1820-25F	1820-50F	1814-100F*
<b>1821</b>	#2 Yellow	1821-5F	1821-10F	1821-25F	1821-50F	1815-100F*
<b>1822</b>	#3 Green	1822-5F	1822-10F	—	1822-50F	1816-100F*
<b>1823</b>	#4 Blue	1823-5F	1823-10F	1823-25F	—	1817-100F*
<b>1824</b>	#5 Brown	1824-5F	—	1824-25F	—	—
<b>1825</b>	#6 Red	1825-5F	—	—	—	—

\* 100' products listed are not packaged in ESD-safe spools

## Unfluxed Wick – ESD-Safe Bobbin

For customers who use water-soluble flux, or their own flux for aqueous processes.



	Size/Color	5'	10'
<b>1830</b>	#1 White	—	1830-10F
<b>1831</b>	#2 Yellow	—	1831-10F
<b>1832</b>	#3 Green	1832-5F	—
<b>1833</b>	#4 Blue	—	1833-10F

Specifications: Meets or Exceeds MIL-F-14256, Type R; NASA NHB 5300, 4 (34-1); NASA NPC 200-4; NASA SP5002; 1821:HP 8690-0588; 1823: HP 8690-0577; IPC Standard-J-STD-004

## PLATE CUTTERS

Go to [www.platoproducts.com](http://www.platoproducts.com) for more information

### 170LX – ADVANCED DESIGN FOR DAY LONG COMFORT

- Comfortable, Ergonomic design
- ESD-safe to protect sensitive components
- Responsive spring-back action for quick, comfortable cutting of multiple leads
- Thin profile design to reach tight areas in electronics assembly
- 175LX available with a permanently attached safety guard to reduce the risk of lead fly-off



### ERGONOMIC, ESD SAFE LEAD CUTTER

The 170LX and the 175LX are remarkable advancements in cutter design. Carefully crafted precision cutting blades combine seamlessly with curved, palm shaped, handles to deliver effortless lead cutting and user comfort.

**170LX**  
**175LX**

Ergonomic, ESD safe lead cutter  
Includes safety guard

# CONFORMAL COATINGS



**TURBO-COAT™**  
ACRYLIC CONFORMAL COATING

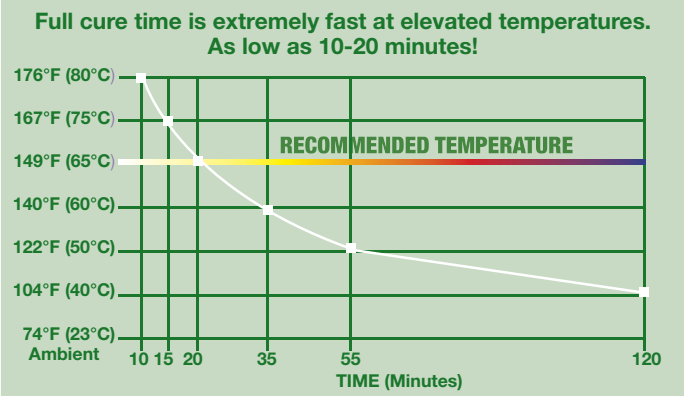
Techspray offers a variety of coating formulas to match field and engineering requirements. Specifications generally depend on the type of protection needed: e.g. thermal, moisture, and static resistance (See page 18 for reference chart).

## TURBO-COAT... BUILT FOR SPEED!

Turbo-Coat Acrylic Conformal Coating is designed to speed up board production throughput without additional investment of expensive UV systems or other capital equipment.

Conformal coating cure time is often considered a production bottleneck for PCB assembly operations. Turbo-Coat dries tack-free in 3 minutes, allowing manufactures to handle boards in 1/3 the time of the leading acrylic coating! Full cure can be achieved as quickly as 10 minutes with elevated temperatures.

- Fastest Cure – Dry to Touch in 3 Minutes!
- Thermal Resistance - To 257°F (125°C)
- Dielectric Strength - 1000 volts/mil
- Fast & Easy Rework & Repair
- IPC-CC-830B & MIL-I-46058C Qualified
- UL94 V-0 Rated
- Crystal Clear & Glossy Finish
- UV Indicator for Black Light QC Inspection
- Toluene & Xylene Free



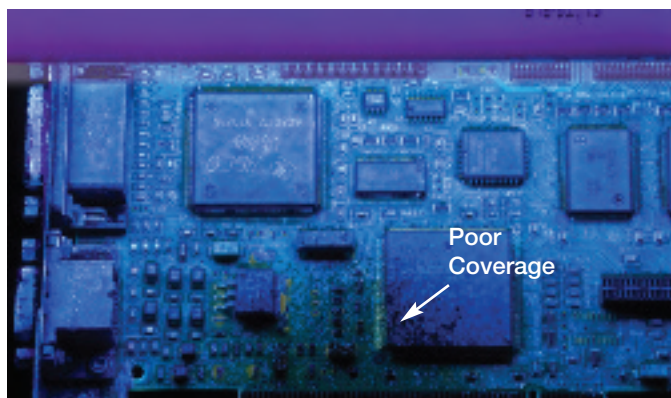
Like all Techspray conformal coatings, Turbo-Coat can be either sprayed or brushed, or boards can be dipped directly into the coating for a thicker layer of protection.



Specifications: Meets or exceeds MIL-I-46058C Type AR and IPC-CC-830B. UL V-0 rated.

- |                 |  |
|-----------------|--|
| <b>2108-12S</b> | 12 oz aerosol (coats 300ft <sup>2</sup> @ 2.5 mil) |
| <b>2108-P</b>   | 1 pint (.47L) in glass bottle                      |
| <b>2108-G</b>   | 1 gal (3.8L) in metal pail                         |
| <b>2108-5G</b>  | 5 gal (18.9L) in metal pail                        |





## OPTI/SCAN FOR UV INSPECTION

Fine-L-Kote coatings contain Opti/Scan to allow quality control inspection of coverage and evenness of the coating on a PCB. A coated board can be passed under a standard, low-cost UV (short-wave black) light, and the coated areas glow. The brighter the glow, the thicker the coating.

## 2102

### FINE-L-KOTE SR

#### Silicone Conformal Coating

Silicone Conformal Coating is the most universal coating, offering protection for a wide variety of environments.

- UL Recognized
- Thermal Resistance — To 392°F (200°C)
- Dielectric Strength — 1100 volts/mil
- Moisture Resistant
- Chemically Resistant
- Vibration Resistant — Flexible

Specifications: Meets or exceeds MIL-I-46058C Type SR and IPC-CC-830B. UL File Number E95150.

#### Standard Viscosity — 4-10 CPS

<b>2102-12S</b>	12 oz aerosol (coats 400ft² @ 2.5 mil)
<b>2102-P</b>	1 pint (.47L) in glass bottle
<b>2102-G</b>	1 gal (3.8L) in metal pail
<b>2102-5G</b>	5 gal (18.9L) in metal pail

#### High Viscosity — 60-90 CPS

<b>2102-GHV</b>	1 gal (3.8L) in metal pail
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2102-12S

## 2104

### FINE-L-KOTE UR

#### Urethane Conformal Coating

Urethane Conformal Coating is widely used in harsh chemical environments.

- Thermal Resistance — To 248°F (120°C)
- Dielectric Strength — 380 volts/mil
- Moisture Resistant
- Chemically Resistant
- Abrasion Resistant

Specifications: Meets or exceeds MIL-I-46058C Type UR and IPC-CC-830B.

<b>2104-12S</b>	12 oz aerosol (coats 300ft² @ 2.5 mil)
<b>2104-G</b>	1 gal (3.8L) in metal pail
<b>2104-5G</b>	5 gal (18.9L) in metal pail



2104-12S

## 2106

### FINE-L-KOTE HT

#### High-Temperature Silicone Conformal Coating

High-Temperature Silicone Coating is designed to prevent thermal break-down at high temperatures. Silicone Conformal Coating is the most universal coating, offering protection for a wide variety of environments.

- Designed for High Temperature Environments
- Fast-Drying Silicone — 1-Step Process
- Thermal Resistance — to 662°F (350°C)
- Dielectric Strength — 560 volts/mil
- Moisture Resistant
- Vibration Resistant — Flexible

Specifications: Meets or exceeds MIL-I-46058C Type SR.

<b>2106-12S</b>	12 oz aerosol (coats 400ft² @ 2.5 mil)
<b>2106-G</b>	1 gal (3.8L) in metal pail



2106-12S

Techspray coatings can be thinned to meet production requirements using Conformal Coating Thinner (2105). Conformal Coating Remover (2510) is also available for rework and repair, although coating is often just burnt through in the soldering process for spot repairs.

## 2105

### CONFORMAL COATING THINNER

<b>2105-G</b>	1 gal (3.8L) in metal pail
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## 2510

### CONFORMAL COATING REMOVER

<b>2510-N</b>	10ml pen
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# CONFORMAL COATINGS / TEMPORARY SOLDER MASK

## CONFORMAL COATING SELECTION GUIDE

Key: ● = Best    ● = Acceptable    ○ = Not applicable / Not recommended

	2108 Turbo-AR	2102 SR	2106 HT	2104 UR
Product Benefits	Economical With Fastest Cure	Moisture & Vibration Resistant	High Operating Temperature Range	Durable & Chemically Resistant
Thermal Resistant	●	●	●	●
Moisture /Fungus Resistant	●	●	●	●
Chemical Resistant	○	●	●	●
Vibration Resistant	●	●	●	○
Ease of Rework	●	●	●	●
Cure Type	THERMAL/AIR	THERMAL/AIR	THERMAL/AIR	THERMAL/AIR
Tack Free Time (minutes)	3	60	45	15
Accelerated Cure Time/Temp	1 Step 20 Min.@ 65°C	2 Step 30 Min.@ 32°C 45 Min.@ 93°C	1 Step 15 Min.@ 49°C	2 Step 20 Min.@ 49°C 30 Min.@ 82°C
Ambient Cure Time	<15 Hrs.	72 Hrs.	24 Hrs.	24 Hrs.
Mil-I-46058C / IPC- CC-830 Tested	YES	YES	YES	YES
(UL 94) Rated	V-0	V-0		V-0
Solids Content (% by weight)	Aerosol - 7% Bulk - 17%	Aerosol - 11% Bulk - 14%	Aerosol - 16% Bulk - 25%	Aerosol - 7% Bulk - 20%
Viscosity (centipoise)	Aerosol 10-20 cp Bulk 15-25 cp	4-10 cp	10-30 cp	Aerosol 5-30 cp Bulk 10-20 cp
UV Indicator	YES	YES	YES	YES
Operating Temp Range	-65° - 125° C	-65° - 200° C	-40° - 350° C	-30° - 121° C
Dielectric Strength	1 kV/Mil	1.1 kV/Mil	560 V/Mil	380 V/Mil
Insulation Resistance (ohms)	4.89 x 10 <sup>16</sup>	6.87 x 10 <sup>15</sup>	1.33 x 10 <sup>16</sup>	1.78 x 10 <sup>16</sup>

## TEMPORARY SOLDER MASK SELECTION GUIDE

PRODUCT	APPLICATION	VISCOSITY	SUGGESTED THICKNESS	THINNER	CURE TYPE	CURE TIME	REMOVAL
PEELABLE							
2211 WonderMASK P	Template, Hand, Pneumatic, Robotic	28,000 – 30,000 cps	20 – 30 mils	D.I. Water	Thermal/Air	1 hr. Ambient 30 min. @65° C 20 min. @82° C	Peel off. Dried Mask is not soluble in liquids
2218 WonderMASK PL	Template, Hand, Pneumatic, Robotic	9,000 – 15,000 cps	15 mils	D.I. Water	Thermal	1 hr. Ambient 20 - 30 min. @65° C	Peel off. Dried Mask is not soluble in liquids
WATER-SOLUBLE							
2204 WonderMASK WSOL	Hand, Pneumatic	11,500 – 15,500 cps	5 – 30 mils	Methanol	Thermal	30 min. @65° C	Soluble in Water 49° C or higher
2205 WonderMASK W	Hand Applied	9,000 – 10,000 cps	10 – 15 mils	D.I. Water	Thermal	1-2 hrs. Ambient 30 min. @80° C	Soluble in Water 49° C or higher
2206 WonderMASK W	Pneumatic, Robotic	6,050 – 6,450 cps	10 – 15 mils	D.I. Water	Thermal	1-2 hrs. Ambient 30 min. @80° C	Soluble in Water 49° C or higher

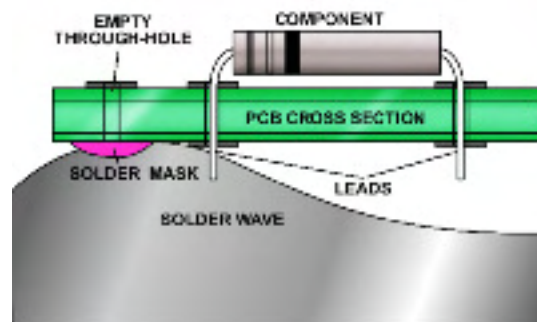




All Techspray WonderMASK products have the following advantages:

- Can be cured in pre-heat
- Withstands lead-free soldering temperatures up to 650°F (343°C)
- RoHS compliant

**Prevent soldering protected areas** in a wave soldering process by applying WonderMASK®. Designed to apply smoothly, dry quickly, withstand high lead-free process temperatures, and then be removed easily. Also used for masking conformal coating.



## WASHABLE MASKS



Used with aqueous cleaning processes.

**2204**

**FILTER-SAFE**

### WONDERMASK WSOL

Ideal water-washable mask for closed-loop systems. Quickly and easily removed with in-line and batch cleaning system

- Safe on Ion Beds & Filters in Closed-Loop Cleaning Systems
- 100% Water-Soluble
- Non-Corrosive
- Low Odor

**2204-8SQ** 8 oz. (237mL) squeeze bottle

**2204-G** 1 gal. (3.8L) in plastic pail



2204-8SQ

**2205 • 2206**

### WONDERMASK W

Quick drying water-washable mask. Quickly and easily removed with in-line and batch cleaning systems.

- Water Washable
- Non-Corrosive
- Low Odor
- Non-Flammable

Specifications: Meets MIL-STD-2000 paragraph 5.3.18 parts a, b, and d. (2206) HP 8500-4214

#### Hand Applications

**2205-8SQ** 8 oz. (237mL) squeeze bottle

**2205-G** 1 gal. (3.8L) in plastic jug

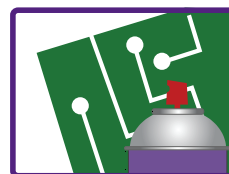
#### Robotic & Pneumatic Applications

**2206-G** 1 gal. (3.8L) in plastic jug



2205-8SQ

## PEELABLE MASKS



Used with solvent cleaning and no-clean processes.

**2211**

### WONDERMASK P

Techspray's original synthetic latex peelable solder mask.

- Easily Peelable
- Low Odor
- Cure Indicator – Darkens As It Cures
- Compatible with Gold and Copper Leads
- Non-Corrosive
- Non-Flammable

Specifications: MIL-STD-2000 paragraph 5.3.18 parts a,b, and d. Ford Tox #039772.

**2211-8SQ** 8 oz. (237mL) squeeze bottle

**2211-G** 1 gal. (3.8L) in plastic pail

**2211-5G** 5 gal. (18.9L) in plastic pail

**2211-54G** 54 gal. (204L) in plastic drum



2211-8SQ

**2218**

**FASTEST FULL CURE**

### WONDERMASK PL

Natural latex peelable solder mask with fasted cure time.

- Fastest Full Cure
- Easily Peelable
- Highest Strength to Avoid Breakage
- Non-Flammable

Specifications: Meets MIL-STD-2000 paragraph 5.3.18 parts a, b, and d.

**2218-8SQ** 8 oz. (237mL) squeeze bottle

**2218-G** 1 gal. (3.8L) in plastic jug



2218-8SQ

# ESD PRODUCTS

## TECHSPRAY MAINTAINS ESD PROTECTED AREAS



### Techspray's ESD-safe

**products** can help maintain work areas within the ANSI/ESD-S20.20 standards set by the ESD Association

(www.esda.com). In a static-free environment, the work area, tools and personnel form a circuit (see diagram to right).

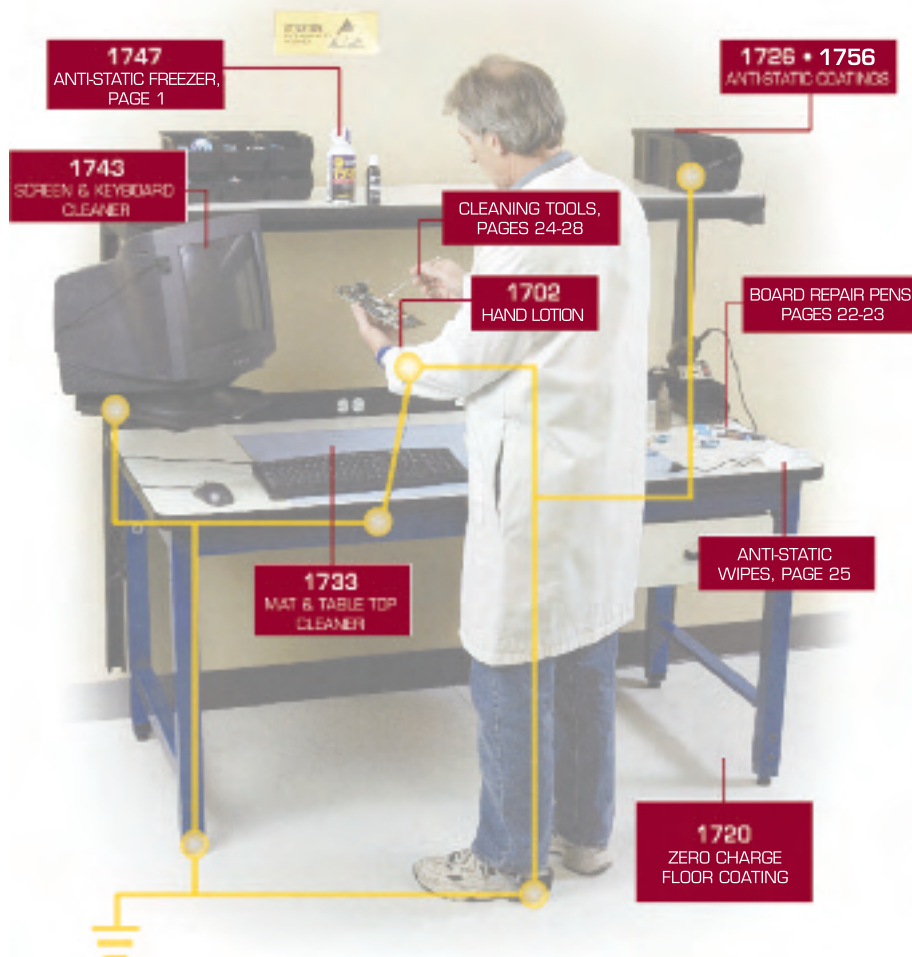
Electrostatic Discharge (ESD) occurs when the charges of two surfaces with a large electronic potential (difference) equalize instantaneously. The resulting discharge or spark can cause catastrophic or latent damage to electronic components. ESD programs maintain an equal potential by maintaining continuous contact with ground, avoiding ESD damage.

Cleaners, lotions, and coatings are an integral part of an ESD control program.

ESD-safe freeze spray (1747), used for diagnostic testing, can be found on page 1.



1747-10S



## FLOOR CARE



1720-G

### 1720

#### ZERO CHARGE® ESD-SAFE FLOOR COATING

Converts any sealed floor to an ESD-safe surface with resistivity between  $10^6$  to  $10^{10}$ . High gloss finished for use in electronic production areas, computer rooms, hospitals, and other areas with static sensitive equipment.

- Resistivity Between  $10^6$  To  $10^{10}$
- High Gloss Polymer
- Slip Resistant
- Effective in Low Humidity
- Zinc Free

Specifications: General Dynamics, Boeing Aircraft (BAC5485), Unisys, NFPA 56A, USDA Approved.

<b>1720-G</b>	1 gal (3.8L) in plastic jug (coats @1,200 ft <sup>2</sup> )
<b>1720-5G</b>	5 gal (18.9L) in plastic pail (coats @6,000 ft <sup>2</sup> )
<b>1720-54G</b>	54 gal (204L) in plastic drum (coats @64,800 ft <sup>2</sup> )

#### COATING INSTRUCTIONS:

With a new mop and clean pails, apply coating as follows:

1. Apply thin coat to floor, i.e.  $\frac{3}{4}$  way down on the ringer. Let dry to touch, approximately 45 – 60 minutes.
2. Apply a second coat, approximately  $\frac{1}{2}$  way down on the ringer.  
*Note: Two coats only are recommended for conductive tile.*
3. If a third coat is applied, wait 24-hour waiting period/dry time after previous coat.

If a third coat is applied, the floor space may be occupied once it is dry. After at least a 6-hour wait, buff the floor with a white pad to harden and polish the coating.



## PERSONAL AND EQUIPMENT CARE

**1702**


### ZERO CHARGE HAND LOTION

Improves contact between personnel and grounding devices such as wrist straps and heel straps. Does not contain silicone, lanolin, mineral oil and other materials found in conventional hand lotions that can interfere with PCB manufacturing. Blend of moisturizers, aloe vera, and vitamins A and E penetrate rapidly leaving skin soft without a greasy film.

- Improves Wrist and Heel Strap Contact
- Does Not Contain Silicone or Lanolin
- Non-Contaminating — Does Not Interfere with Soldering
- Non-Greasy

Specifications: Desco C00038201S

1702-8FP - HP9300-1731

1702-G - HP9300-6148, AT&T Com Code #406359406

**1702-8FP** 8 oz (237ml) plastic bottle with finger pump

**1702-G** 1 gal (3.8L) plastic bottle



1702-8FP

**1733**


### ZERO CHARGE MAT & TABLETOP CLEANER

Clean flux and other residues off of ESD-Safe mats and tabletops. Will not dry out surfaces (i.e. IPA) or leave insulative waxes (i.e. household cleaners).

- Rejuvenates ESD-Safe Mats
- Will Not Dry Out Surfaces
- Leaves No Insulative Film
- Non-Flammable
- No Ammonia
- Non-Corrosive

Specifications: 1733-QT - AT&T Com Code #406359414

1733-G - HP 9300-1921

**1733-QT** 1 quart (.95L) in plastic bottle w/trigger sprayer

**1733-G** 1 gal (3.8L) in plastic jug

**1733-5G** 5 gal (18.9L) in plastic pail



1733-QT

**1743**


### ZERO CHARGE SCREEN & KEYBOARD CLEANER

Removes hand oils, ink marks, dust, and other contaminants from computer equipment. With regular use, cleaner will eliminate static charge from sensitive surfaces and provide long-term static protection.

*Note: not intended for non-glare surfaces like on LCD monitors (for LCD cleaning, go to page 6).*

- Cleans Plastic & Glass
- Leaves ESD-Safe Coating
- Leaves No Insulative Film
- Non-Flammable
- Non-Corrosive



Specifications: Meets or exceeds MIL-B-81705B, NFPA 56A

1743-50PK

**1743-50PK** 50 pre-saturated wipes in packets

**1743-QT** 1 quart (.95L) in plastic bottle w/trigger sprayer

## ESD COATINGS

**1726**


### ZERO CHARGE ANTI-STAT COATING

Fast drying, anti-static coating eliminates static charge and reduces triboelectric generation from flexible surfaces. Ideal for plastics, fabrics, and carpet.

- All-Purpose Static Control
- For Plastics, Fabrics, and Carpet
- Fast Drying
- Non-Flammable

Specifications: Meets or exceeds MIL-B-81705B, NSN 6850-01-324-4682, Delco C00013781, NFPA 56A. USDA: approved A-4 rated.

**1726-QT** 1 quart (.95L) in plastic bottle with trigger sprayer


**1756**


### LICRON™ CRYSTAL

Versatile, crystal clear urethane coating that adheres to metal, plastic, and most other surfaces. Ideal for converting standard bumpers, bins, tools, and surfaces to ESD-safe, saving expensive replacement cost. The end result is compliant with ANSI/ESD-S20.20, which prevents static damage to sensitive electronic components.

- Rugged Static Dissipative Coating
- Surface Resistivity of  $10^6$  To  $10^9$  ohms
- Operating Temperature Range – Up To 302°F (155°C)
- Humidity Independent
- Superior Adhesion to Variety of Surfaces: Glass, Plastic, Etc.
- Non-Ozone Depleting

**1756-8S** 8 oz (237ml) aerosol (coats @200ft<sup>2</sup>)

**1756-G** 1 gal (3.8) plastic jug



1756-8S



Bins and packaging

Work stations and carts

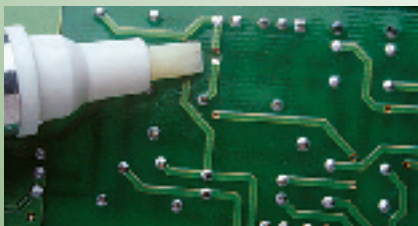
Tools and equipment

# REWORK & REPAIR PENS



## EASY 3 STEP PROCESS FOR BOARD REPAIR

### Step 1 Flux Remover Pen



Work tip over the area to be cleaned until fluxes, contaminants and soils are removed.

### Step 2 Conductive Pen



Repair traces and link components.

### Step 3 Overcoat Pen



After conductive trace is cured, use the Overcoat Pen for the protection of repaired trace.

**TraceTech board repair system** allows any level of technician to quickly perform quality board repairs in-house without the use of expensive equipment or time-consuming and unsightly jumpers. Meets IPC board repair standards. Other TraceTech pens are available to allow quick, convenient, and high quality board repair and rework.

### 2505 CONDUCTIVE PEN

Contains a fast drying, silver filled ink designed to quickly make highly conductive silver traces.

- Repairs Traces
- Makes Smooth Jumpers

Specifications: Meets IPC Standard 7711 and ANSI J Standard 001C for circuit board repair and rework.

**2505-N** Single-pack of 4.9 ml pen



### 2506 FLUX REMOVER PEN

Provides convenient touch-up cleaning of flux residues. Cleans R, RMA, SA, and no-clean fluxes.

- Safe on Plastics
- Rapid Evaporation
- Pen Tip Allows Controlled Application

Specifications: Meets IPC Standard 7711 and ANSI J Standard 001C for circuit board repair and rework

**2506-N** Single-pack of 11.5 ml pen

**2506-N100** 144 pack of 11.5 ml pens, 12 boxes of 12



### 2507 NO-CLEAN FLUX DISPENSING PEN

Resin and halide-free no-clean flux has excellent wetting abilities and leave no problematic residues. Excellent for prototyping, rework, and repair and to provide extra wetting for lead-free wire solder.

- Excellent Wetting
- Works with Lead and Lead-Free Solders
- No Cleaning Necessary
- Boost Wetting for Lead-Free Wire Solder

Specifications: Meets IPC Standard 7711 and ANSI J Standard 001C for circuit board repair and rework.

**2507-N** Single-pack of 11.5 ml pen

**2507-N100** 144 pack of 11.5 ml pens, 12 boxes of 12



### 2509 OVERCOAT PEN

Green acrylic conformal coating insulates circuit board traces and components against high voltage arcing. Provides excellent protection from moisture and fungus.

- Repairs Solder Resist
- Green To Match Resist
- Prevents Shorting and Arcing
- Contain Opti/Scan for UV Inspection

Specifications: Meets IPC Standard 7711 and ANSI J Standard 001C for circuit board repair and rework.

**2509-GN** Single-pack of 5 ml pen





## 2510

### CONFORMAL COATING REMOVER PEN

Quickly and precisely removes most conformal coatings including acrylic, urethane, and silicone.

- Fast Stripping Action
- Non-Corrosive
- Rapid Evaporation

**2510-N** Single-pack of 10 ml pen

Also available:

**2510-P** 1 pint (.48L) in metal bottle



## 2503

### TECH HOLD® ADHESIVE

General purpose, single component cyanoacrylate adhesive exhibits high strength, fast bonding and high impact holding. Having a medium viscosity, Tech Hold flows into small openings (up to .004 inches).

- High Strength
- Durable Bonding
- Fast Acting
- Withstands Temperatures Up To 300°F (149°C)

**2503-DP** 3 grams in plastic bottle



## 2515

### INSTANT LEAD TESTING SWABS

Fast, easy-to-use method of testing components and solder joints for lead solder. Incoming components and boards, in addition to existing inventories, can be checked for RoHS compliance.

This avoids mixed lead and lead-free inventories, lead contamination in RoHS compliant work areas, and potential penalties for shipping non-compliant products.

Ideal For...

- Incoming Inspection of Components & PCB Boards
- Inspecting Existing Inventories
- Preventing Lead Contamination
- Spot Checking Poorly Marked Components
- Sensitive Down To 10,000 ppm (1%)

**2515-N** 8 Lead-Check Swabs



**The test is totally self-contained! Just rub the solder joint or tinned component...**



**If the swab tip is pink, the solder contains lead.**



## HEAT SINK/TRANSISTOR GREASE

**Heat sink draws heat away** when applied to a component. In electronics, heat sink compound is generally used to thermally bond a component with a mechanical heat sink. For electrical applications, it is used with thermocouple wells, thermistors, and calorods, or wherever efficient cooling is required.

## 1978

### SILICONE-FREE HEAT SINK COMPOUND

Ideal for electronic applications where silicone contamination hurts solderability and increase solder defects.

- Thermal Conductivity - @ 36° C., 0.70 BTU inch/Hr. Ft.<sup>2</sup> °F. (per MIL-C-47113)
- Functional Temperature Range -40°F to 392°F (-40°C to 200°C)
- Avoid Solder Defects Due To Silicon Contamination
- Easy Application
- Will Not Separate
- Will Not Harden and Crack

**1978-DP** 4 oz squeeze tube

**1978-1** 1 lb jar



1978-DP

## 1977

### SILICONE HEAT SINK COMPOUND

Ideal for electrical applications.

- Thermal Conductivity - @ 36° C., 0.73 BTU inch/Hr. Ft.<sup>2</sup> °F. (per MIL-C-47113)
- Functional Temperature Range -67°F to 401°F (-55°C to 205°C)
- Easy Application
- Will Not Harden and Crack

**1977-DP** 4 oz squeeze tube



# TECHCLEAN® WIPES



**Techspray offers a large array of wipes** for a variety of applications, including cleanroom, PCB rework, polishing, and maintenance. A large number of different materials are available to meet each unique requirement.

- **Cleanroom Wipers:** Meet the particulate count and extractables for Class 10 / ISO Class 4 and Class 100 / ISO Class 5 cleanrooms. CLASS 10 CLASS 100
- **Maintenance Wipers:** Lower cost, high quality wipers for heavy-duty cleaning.
- **Delicate Task Wipers:** Cellulose tissue for light cleaning, like in lab settings.
- **Microfiber Wipes:** Polishing wipes that are ideal for screen and display cleaning, with or without a cleaner.
- **SMT Roll Wipes:** DEK and MPM understencil roll wipes to fit the most common printers.

**2340**

CLASS 100



## COTTON CLEANROOM WIPER

This hydroentangled cotton wipe has high absorbency with extra low particulate and chemical extractables. Recommended for ISO 14644-1 Class 5 (US FED STD 209E Class 100) or higher cleanrooms. Ideal for stencil cleaning.



- Class 100 Cleanroom Qualified
- Low Chemical Extractables
- Lint-Free
- Biodegradable & Sustainable
- High Absorbency - 6 Times Its Weight
- Made with USA Grown Cotton

**2340-100** 100 count, flat 9" x 9", (23cm x 23 cm), double-bagged

**2342 • 2343**



## RECYCLED DELICATE TASK WIPERS

Ideal for light cleaning tasks in the laboratory, repair and maintenance facilities, and more. Quickly and easily wipes up liquid and dust. Packaged in a portable dispenser that reduces lint and cross contamination.



- Low Linting
- Eco-Friendly Replacement for Kimwipes (KC34155, KC34256)
- 100% Recycled Wipe & Box
- Biodegradable & Sustainable

**2342-300** 280 count, 4.4" x 8.3" (11cm x 21cm), pop-up box  
60 boxes/case

**2343-140** 140 count, 15" x 16.6" (38cm x 42cm), pop-up box  
140 boxes/case

**2350**

CLASS 100

**BEST SELLER!**

## TECHCLEAN WIPER

### General Purpose Wipe

Hydroentangled cellulose/polyester wipe with high absorbency and extra low particulate count and no chemical extractables.



- Class 100 Cleanroom Qualified
- High Absorbency
- Very Low Particulate Count

Specifications: Exceeds U.S. Air Force requirements for surface contamination, HP 9300-1618

**2350-100** 100 8"x10" (20cm x 25cm) c-fold wipes, double-bagged

**2351 • 2352**

CLASS 100

## TECHCLEAN ABSORBWIPE™

### For Sensitive Surfaces

Very soft and absorbent hydroentangled polyester wipe for cleaning optical equipment, fiber optics, and other sensitive surfaces.



- Non-Abrasive
- Extremely Soft
- Highly Absorbent

**2351-100** 100 4"x4" (10cm x 10cm) flat wipes, double-bagged

**2352-100** 100 9"x9" (23cm x 23cm) flat wipes, double-bagged





**2355**
**CLASS 100**

## TECHCLEAN PURWIPE™

### Low-Linting Poly Wipe

100% polyester wipe is a strong, low-linting wipe that is ideal for SMT stencil cleaning and PCB rework. Tear resistant to allow cleaning around leads without fraying.

- Class 100 Cleanroom Qualified
- Very Low Particulate Count
- Tear Resistant



**2355-100** 100 9"x9" (23cm x 23cm) flat wipes, double-bagged

**2357**

## TECHCLEAN TWILL WIPE

### Tear Resistant Cotton

100% cotton twill weave designed for wiping abrasive surfaces. Tear resistant to allow cleaning around leads without fraying. Low static generation, so good for static sensitive areas.

- Tightly Woven 100% Cotton
- Tear Resistant
- Low Static Generation



**2357-100** 100 6"x6" (15cm x 15cm) flat wipes, double-bagged

**2358**
**CLASS 100**

## TECHCLEAN SMT WIPE

### Lint-Free Foam

Polyurethane foam wipe designed for cleaning surface mount stencils and screening equipment. Fiber-free foam does not generate lint, which can clog fine pitched stencils and cause misprints.

- Class 100 Cleanroom Qualified
- Fiber-Free Construction — No Linting
- Will Not Snag on Stencils
- Tear Resistant



**2358-50** 50 9"x9" (23cm x 23cm) flat wipes, double-bagged

Also available:

See page 12 and 13 for other great SMT cleaners including water-based and IPA pre-saturated wipes.

**2359 • 2364 • 2365**

## TECHCLEAN MAINTENANCE WIPES

Hydroentangled cellulose/polyester wipe with high absorbency. Economical, but very high quality wipes are ideal for production and maintenance applications.

- High Absorbency
- Economical



**2359-300** 300 9"x9" (23cm x 23cm) flat wipes

### Economy Grade

**2364-50** 12" x 12" (30.5cm x 30.5cm) dry wipes

**2365-300** 9" x 9" (23cm x 23cm) dry wipes

**2362**
**CLASS 10**


## ANTI-STATIC WIPE

Polyester wipe that is interwoven with DuPont's NEGA-STAT carbon yarn. NEGA-STAT dissipates static charge, preventing static build-up and allowing dissipation. Perfect for dry wiping ESD-sensitive components and boards. Tear resistant to allow cleaning around through-hole leads without fraying.

- Anti-Static — Will Not Generate Charge
- Class 10 Cleanroom Qualified
- Class 10 Cleanroom Laundered
- Tear Resistant



**2362-150** 150 9"x9" (23cm x 23cm) flat wipes

**2363**

## MICROFIBER GLASS & PLASTIC CLEANING WIPES

Cleans and polishes glass or plastic. Ideal for removing fingerprints and light oils without the use of solvent cleaners.

- Cleans & Polishes Glass or Plastic
- Low-Linting
- Washable (avoid fabric softener)



**2363-50** 50 8" x 8" (20cm x 20cm) dry wipes w/hemmed edges, double-bagged

**2368**

## LCD & PLASMA SCREEN CLEANING WIPES

Soft and low-linting microfiber terry cloth is ideal for cleaning and polishing LCD and plasma screens, plexi-glass, chrome, and other sensitive surfaces. Buffs surface to a shine with or without cleaner. Use with 1605-6FP cleaner (see pg. 6).

- Cleans & Polishes Sensitive Surfaces
- Effective Wet or Dry
- Washable (avoid fabric softener)
- Low-Linting



**2368-2** 2 16" x 16" (40.6cm x 40.6cm) dry wipes w/hemmed edges



*Microfiber is perfect for chrome polishing*

# TECHCLEAN® WIPES / TECHSWABS™

## 2366 • 2367

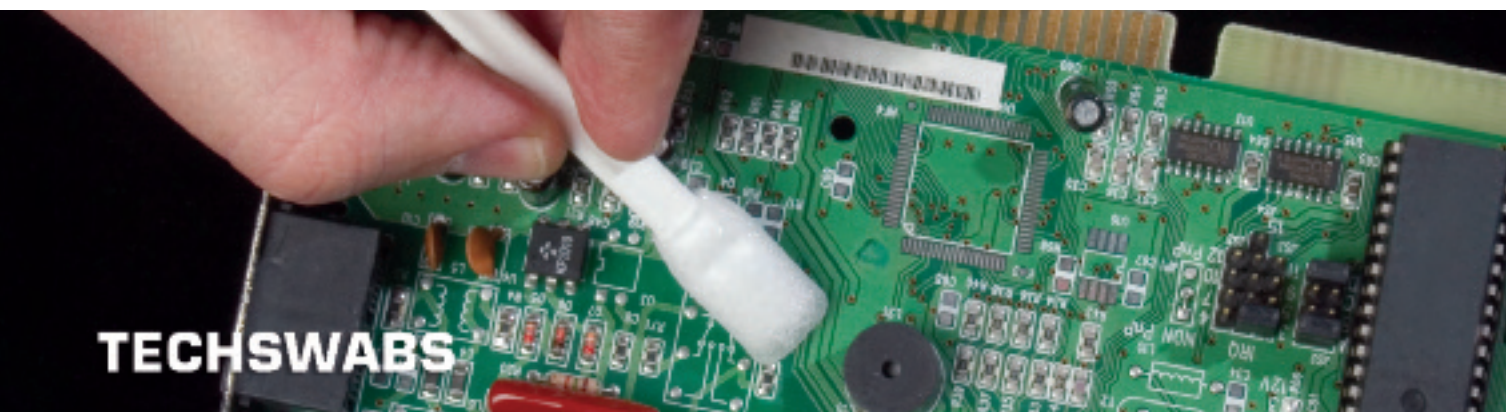
### ROLL WIPES for DEK and MPM SMT Printers

Made from low lint fabric and designed for vacuum operation.

- Maximum Absorbency
- Strong Both Wet & Dry
- Textured Non-Woven Poly-Cellulose Fabric
- Low Linting – Prevents Misprints
- Density 68 GSM



Part #	OEM Brand	Equip model	Core ID	Notch	Paper Width	Core Width	Matl Length
2366-DEK	DEK	DEK 265, #129051/GS, GSX & 288	0.75" (19mm)	1	20.3" (515mm)	20.9" (530mm)	39' (11.9 M)
2367-MPM	MPM	MPM #1485/AP & UP2000	0.75" (19mm)	0	17.5" (444mm)	18" (457mm)	39' (11.9 M)



**Precisely designed, manufactured and packaged** to serve a wide variety of cleaning and maintenance needs. TechSwabs are manufactured in accordance with Techspray's rigid specifications, using specialized materials to ensure low particle generation.

Cotton swabs are the most economical choice for high volume usage. Foam swabs are ideal for more precision cleaning where linting needs to be avoided.

## COTTON TECHSWABS *All swabs shown actual size*

Tightly wrapped, pre-cleaned cotton ensures the least amount of extractable contaminants.

Product	Tip Width	Attachment of Tip	Handle Length	Handle Material	30 Pack Bag	100 Pack Bag	1000 Pack Bag
2300	3/16"	Wrapped	6"	Wood	—	2300-100	2300-1000



2301	3/16"	Wrapped	6"	Wood	—	2301-100	2301-1000
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2313	1/8"	Wrapped	3 1/4"	Paper	2313-30	—	—
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## FOAM TECHSWABS All swabs shown actual size

All foam swabs are manufactured with 100 pores per inch reticulated polyurethane foam, which ensures excellent absorbency while minimizing contamination. Tips are affixed by heat seal to prevent tip loss, even while saturated with solvent. Flexible tips provide versatility and softer touch, while rigid heads allow for more aggressive cleaning.

Product	Tip Width	Attachment of Tip	Handle Length	Handle Material	Pliable Handle	50 Pack Bag	1000 Pack Bag
<b>2302</b>	7/16"	Heat Sealed	6"	Polypropylene	Yes	2302-50	2302-1000
<i>Cotton Bud Wrapped in Foam, Rigid Head</i>							
							
<b>2303</b>	1/4"	Heat Sealed	6"	Polypropylene	Yes	2303-50	2303-1000
<i>Rigid Head</i>							
							
<b>2306</b>	1/2"	Heat Sealed	5"	Polypropylene	Yes	2306-50	2306-1000
<i>Rigid Head</i>							
							
<b>2307</b>	3/16"	Heat Sealed	4"	Polypropylene	Yes	2307-50	2307-1000
<i>Flexible Tip</i>							
							
<b>2309</b>	1/8"	Heat Sealed	3"	Polypropylene	Yes	2309-50	2309-1000
<i>Flexible Tip</i>							
							
<b>2311</b>	1/8"	Heat Sealed	2 5/8"	Polypropylene	Yes	—	2311-1000
<i>Flexible Tip</i>							
							

## FIBER OPTIC TECHSWABS All swabs shown actual size

Foam fiber optic swabs are ideal for removing transmission disrupting contaminants in bulkhead connectors. The head conforms to the various connector shapes, cleaning the conductor bulkhead corners inside the bulkhead pocket. Foam fiber optic swabs are an economic choice over wrapped swabs. Tips are heat bonded, so no contaminating glues have been used.

Product	Tip Width	Attachment of Tip	Handle Length	Handle Material	Pliable Handle	50 Pack Bag	1000 Pack Bag
<b>2316</b>	1.25mm	Heat Sealed	6 1/4"	Polypropylene	Yes	2316-50	2316-1000
<i>Flexible Tip</i>							
							
<b>2317</b>	2.5mm	Heat Sealed	6 1/4 "	Polypropylene	Yes	2317-50	2317-1000
<i>Flexible Tip</i>							
							

# TECHCLEAN® BRUSHES



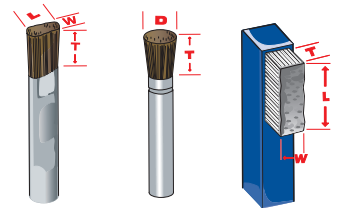
Techspray's TechClean brushes are made of premium grade materials. Don't be fooled by cheap imports. Bristles are securely stapled in place, eliminating loose hairs.

## Chose the Right Bristle Material for Your Needs:

**Natural** — Soft, resilient and long lasting. Hog bristles are stiffer than horsehair.

**Metal** — For burnishing, polishing, non-sparking static dissipation and deburring. Brass is a softer bristle than stainless steel.

**ESD-Safe** — Prevents static build-up on brush. Ideal for dry brushing. Bristles approximately 10°.



T-Bristle Trim W-Bristle Width  
L-Bristle Length D-Diameter

FRONT  
VIEW

SIDE VIEW



Product	L Bristle Length	W Bristle Width	T Bristle Trim	Bristle Material	Handle Material	Handle Length
2020-1	1 3/8"	1/4"	7/16"	Horse Hair	Wood Laminate	7 3/4"
2021-1	1 3/8"	1/4"	7/16"	Hog Bristle	Wood Laminate	7 3/4"
2022-1	2 1/8"	7/8"	3/4"	Hog Bristle	Wood Laminate	8 3/8"
2025-1	1 3/8"	1/4"	7/16"	Soft Brass .003"	Wood Laminate	7 3/4"
2027-1	7/8"	3/8"	1/2"	Hog Bristle	Wood	4 15/16"
2030-1	1/8"	1/16"	1/8"	Goat Hair	Stainless Steel	3 1/2"
2031-1	1/4"	3/16"	A-1/2" B-1/4"	Horse Hair	Stainless Steel	4 1/2"
2032-1	1/2"	3/8"	A-1/4" B-3/16"	Horse Hair	Zinc Plated Steel	4 1/2"
2033-1	7/16"	3/8"	3/4"	Horse Hair	Zinc Plated Steel	4 1/2"
2040-1	1 3/16"	1/8"	7/16"	Horse Hair	Anodized Aluminum	6 7/16"
2042-1	1 3/16"	3/8"	7/16"	Horse Hair	Anodized Aluminum	6 7/16"
2043-1	1 3/16"	3/8"	7/16"	Stainless Steel .003"	Anodized Aluminum	6 7/16"



## CROSS-REFERENCE INDEX

COMPETITOR PART#	COMPETITOR DESCRIPTION	TS PART #	CAT PG #	COMPETITOR PART#	COMPETITOR DESCRIPTION	TS PART #	CAT PG #
<b>ACL</b>				<b>TECHSPRAY</b>			
4000	Dissipative Acrylic Floor Finish	1720	20	60-4-10	Soder-Wick No Clean SD 10'	1823-10F	15
4600	Ultra EDS Floor Finish	1720	20	60-4-5	Soder-Wick No Clean SD 5'	1823-5F	15
4800	Ultra II Floor Finish	1720	20	60-5-5	Soder-Wick No Clean SD 5'	1824-5F	15
7001	Hi Tech Hand Lotion	1702	21	60-BGA-5	Soder-Wick BGA No Clean 5'	1825-5F	15
8035	Precision 2000 Dust Remover	1673-10S	1	7-100L	Chem-Wik Rosin 100'	1810-100F	14
8037	Precision Dust Remover II	1671-10S	1	7-25L	Chem-Wik Rosin 25'	1810-25F	14
SW12	Static Wipes (24/box)	1743-50PK	21	7-500L	Chem-Wik Rosin 500'	1803-500F	14
<b>ALPHA METALS</b>				75-2-10	Soder-Wick Unfluxed SD 10'	1831-10F	15
<b>TECHSPRAY</b>				75-2-10	Soder-Wick Unfluxed SD 10'	1832-5F	15
Auto Clean 40	Equipment Maintenance Cleaner	1573	12	75-4-10	Soder-Wick Unfluxed SD 10'	1833-10F	15
<b>CAIG</b>				80-1-10	Soder-Wick Rosin SD 10'	1808-10F	14
<b>TECHSPRAY</b>				80-1-5	Soder-Wick Rosin SD 5'	1808-5F	14
CCS-2000	DustALL 152a (10 oz)	1673-10S	1	80-2-10	Soder-Wick Rosin SD 10'	1809-10F	14
CCS-2100	DustALL 134a (10 oz)	1671-10S	1	80-2-5	Soder-Wick Rosin SD 5'	1809-5F	14
D5S-6	DeoxIT	2112-6S	7	80-3-10	Soder-Wick Rosin SD 10'	1810-10F	14
D5S-6N	DeoxIT	2112-6S	7	80-3-5	Soder-Wick Rosin SD 5'	1810-5F	14
DCC-V510	Contact Cleaner Wash (10 oz)	1622-10S	3	80-4-10	Soder-Wick Rosin SD 10'	1811-10F	14
DDW-V610	Degreaser Wash (10 oz)	1620-10S	3	80-4-5	Soder-Wick Rosin SD 5'	1811-5F	14
DFW-V710	Flux Wash (10 oz)	1621-10S	10	80-5-10	Soder-Wick Rosin SD 10'	1812-10F	14
<b>CHEMTRONICS</b>				80-5-5	Soder-Wick Rosin SD 5'	1812-5F	14
<b>TECHSPRAY</b>				80-6-5	Soder-Wick Rosin SD 5'	1813-5F	14
10-100L	Chem-Wik Rosin 100'	1811-100F	14	80-BGA-5	Soder-Wick BGA Rosin 5'	1813-5F	14
10-25L	Chem-Wik Rosin 25'	1811-25F	14	C805	Static Free Hand Guard (8oz)	1702-8FP	21
10-50L	Chem-Wik Rosin 50'	1804-50F	14	C900	Twilwipes (150/9"x9")	2357-100	25
10-5L	Chem-Wik Rosin 5'	1811-5F	14	C910	Controlwipes (150/9"x9")	2350-100	24
2-100L	Chem-Wik Rosin 5'	1808-100F	14	C920	Twilwipe (150/9"x9")	2352-100	24
2-5L	Chem-Wik Rosin 5'	1808-5F	14	CF2050	Foamtip Swabs (50/bag)	2306-50	27
40-1-5	Soder-Wick Lead-Free SD 5'	1808-5F	14	CF3050	Foamtip Swabs (50/bag)	2303-50	27
40-2-10	Soder-Wick Lead-Free SD 10'	1809-10F	14	CF4050	Foamtip Swabs (50/bag)	2311-50	27
40-2-5	Soder-Wick Lead-Free SD 5'	1809-5F	14	CF50	Foamtip Swabs (50/bag)	2302-50	27
40-3-10	Soder-Wick Lead-Free SD 10'	1810-10F	14	CHV8	Chemask HV (8 oz)	2211-8SQ	19
40-3-5	Soder-Wick Lead-Free SD 5'	1810-5F	14	CLF1	Chemask LF (1 gal)	2211-G	19
40-4-10	Soder-Wick Lead-Free SD 10'	1811-10F	14	CLF8	Chemask LF (8 oz)	2211-8SQ	19
40-4-5	Soder-Wick Lead-Free SD 5'	1811-5F	14	CM1	Chemask (1 gal)	2218-G	19
50-2-100	Soder-Wick Rosin 100'	1808-100F	14	CM8	Chemask (8oz)	2218-8SQ	19
50-2-25	Soder-Wick Rosin 25'	1809-25F	15	CNA1	Chemask NA (1 gal)	2211-G	19
50-2-500	Soder-Wick Rosin 500'	1802-500F	14	CNA8	Chemask NA (8 oz)	2211-8SQ	19
50-3-100	Soder-Wick Rosin 100'	1810-100F	14	CP400	Chempad (50/4"x3")	1610-50PK	13
50-3-25	Soder-Wick Rosin 25'	1810-25F	14	CSP20	ScreenPrep (25 twin packs)	1743-50PK	21
50-3-500	Soder-Wick Rosin 500'	1803-500F	14	CT100	Cottontip Swabs (100/bag)	2301-100	26
50-4-100	Soder-Wick Rosin 100'	1811-100F	14	CT200	Dbl Tip Cotton Swab (100/bag)	2300-100	26
50-4-25	Soder-Wick Rosin 25'	1811-25F	14	CT2000	Dbl Tip Cotton Swab (1000/box)	2300-1000	26
50-4-500	Soder-Wick Rosin 500'	1804-500F	14	CT40-5	Heat Sink Grease 142g tube	1977-DP	23
50-5-25	Soder-Wick Rosin 25'	1805-25F	14	CT5000	Cottontip Swabs (1000/box)	2300-1000	26
50-6-25	Soder-Wick Rosin 25'	1806-25F	14	CTAR-1	Konform AR (1 gal)	2108-G	16
5-100L	Chem-Wik Rosin 100'	1802-100F	14	CTAR-12	Konform AR (11.5 oz)	2108-12S	16
5-25L	Chem-Wik Rosin 25'	1809-25F	14	CTSR-1	Konform SR (1 gal)	2102-G	17
5-500L	Chem-Wik Rosin 500'	1802-500F	14	CTSR-12	Konform SR 10oz	2102-12S	17
5-5L	Chem-Wik Rosin 5'	1809-5F	14	CTSR-5	Konform SR (5G)	2102-5G	17
60-1-10	Soder-Wick No Clean SD 10'	1820-10F	15	CTSR-HV1	Konform SR High Viscosity (1 gal)	2102-GHV	17
60-1-5	Soder-Wick No Clean SD 5'	1820-5F	15	CW2200STP	CircuitWorks Conductive Pen	2505-N	22
60-2-10	Soder-Wick No Clean SD 10'	1821-10F	15	CW3300G	CircuitWorks Overcoat Pen - green	2509-GN	22
60-2-5	Soder-Wick No Clean SD 5'	1821-5F	15	CW3500	Conformal Coating Remover Pen	2510-N	23
60-3-10	Soder-Wick No Clean SD 10'	1822-10F	15	CW8	Chemask W 8oz (squeeze bottle)	2205-8SQ	19
60-3-5	Soder-Wick No Clean SD 5'	1822-5F	15	CW8100	CircuitWorks Flux Dispensing Pen	2507-N	22

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CW8400	Flux Dispensing Pen	2507-N	22	ES7101	Electro-Wash CZ (1 gal)	1651-G	4, 11
CW9100	CircuitWorks Flux Remover Pen	2506-N	22	ES710V	Ultrajet Duster System Trigger	1928	1
CW9200	CircuitWorks Flux Remover Pen	2506-N	22	ES7200	Flux-Off CZ (12 oz)	1651-16S	4, 11
CW9400	CircuitWorks LF Flux Remvr Pen	2506-N	22	ES7300	Pow-R-Wash CZ (12oz)	1651-16S	4, 11
CWf1	Chemask WF	2204-G	19	ES805	Label Adhesive Remover (6oz)	1613-6S	6
CXM50	Flextip Swabs (50/bag)	2307-50	27	IPA100B	IPA (70%) Wipes - 100/box	1608-100BX	13
ES1015	Ultrajet 70 (10 oz)	1671-10S	1	SIP100P	IPA (70%) Wipes - 100/tub	1608-100DSP	13
ES1017	Duster 10oz	1671-10S	1	SIP91P	IPA (91%) Wipes - 100/tub	1610-100DSP	13
ES1020	Ultrajet 10 oz	1697-10S	1	SW14025	Soder-Wick Lead-Free SD 5'	1809-5F	14
ES1020R	Ultrajet Refills (10 oz)	1671-10RS	1	SW14035	Soder-Wick Lead-Free SD 5'	1810-5F	14
ES1027	152A Duster	1673-10S	1	SW14045	Soder-Wick Lead-Free SD 5'	1811-5F	14
ES1035	Flux-Off Rosin (10 oz)	1621-10S	10	SW16015	Soder-Wick No-Clean 5'	1820-5F	15
ES1050	Freez-It (10 oz)	1672-10S	1	SW16025	Soder-Wick No-Clean 5'	1821-5F	15
ES1051	Freez-It Anti-Stat (10 oz)	1747-10S	1	SW16035	Soder-Wick No-Clean 5'	1822-5F	15
ES1052	Freeze Spray (10 oz)	1672-10S	1	SW16045	Soder-Wick No-Clean 5'	1823-5F	15
ES107	Electro-Wash NXO (1 gal)	1652-G	4, 11	SW16055	Soder-Wick No-Clean 5'	1824-5F	15
ES110	Electro-Wash PX (1 gal)	1621-5G	3, 10	SW160BGA	Soder-Wick BGA No Clean 5'	1825-5F	15
ES111	Electro-Wash NX New & Imp (1gal)	1667-5G	5	SW18015	Soder-Wick Rosin 5'	1808-5F	14
ES1210	Electro-Wash PX (12.5 oz)	1620-10S	4	SW18025	Soder-Wick Rosin 5'	1809-5F	14
ES1217	Duster (8 oz)	1671-10S	1	SW18035	Soder-Wick Rosin 5'	1810-5F	14
ES131	Flux-Off Heavy Duty (1gal)	1638-G	3, 10	SW18045	Soder-Wick Rosin 5'	1811-5F	14
ES135	Flux-Off Rosin (1 gal)	1621-5G	3, 10	SW18055	Soder-Wick Rosin 5'	1812-5F	14
ES1550	Freez-It (15 oz)	1672-15S	1	SWF8	Chemask WF	2204-8SQ	19
ES1603	Electro-Wash PR (10 oz)	1620-10S	4	<b>COVENTRY</b>		<b>TECHSPRAY</b>	
ES1605	Pow-R-Wash PR (10oz)	1622-10S	4	6209	Light Polyester Wipes 9"x9"	2355-100	24
ES1607	Electro-Wash NXO (12 oz)	1652-10S	4, 11	6709	Econowipe cel/poly 9"x9"	2359-300	24
ES1611	Electro-Wash NX New & Imp (12oz)	1667-8S	5	6713	Econowipe cel/poly 12"x13"	2364-50	24
ES1612	Pow-R-Wash New & Imp (12 oz)	1632-16S	3	25183	2.5mm Fiber Optic Swab	2317-50	27
ES1613	Pow-R-Wash NR New & Imp (12oz)	1635-20S	3	41050	Sealed Foam Swab	2311-1000	27
ES1614	Electro-Wash NR *New & Imp (12oz)	1635-20S	3	48040	2.5mm Fiber Optic Swab	2317-50	27
ES1617	Duster (12 oz)	1671-15S	1	49280	Swab 0.2"x4"	2311-1000	27
ES1620	Ultrajet All-Way (8 oz)	1697-8S	1	25123X	1.25mm Fiber Optic Swab	2316-50	27
ES1621	Electro-Wash MX (10 oz)	1620-10S	4	48042F	2.5mm Fiber Optic Swab	2317-50	27
ES1629	Kontakt Restorer New & Imp (12 oz) nPB	2421-12S	7	<b>CRC</b>		<b>TECHSPRAY</b>	
ES1631	Flux-Off Heavy Duty (12 oz.)	1651-16S	4, 11	02016	CO Contact Cleaner (14 oz)	1651-16S	4, 11
ES1664T	Mat Reconditioner (16 oz)	1733-QT	21	02018	Lectra Clean (19 oz)	1635-20S	3
ES1668	Static Free Plast-N-Glass (16 oz)	1743-QT	21	02077	CO Contact Cleaner (5 gal)	1651-5G	4, 11
ES1677	Pow-R-Wash PN New & Imp (12oz)	1668-18S	5	02130	QD Contact Cleaner (11 oz)	1622-13S	3
ES1678	Electro-Wash PN *New & Imp (12 oz)	1667-18S	5	02131	QD Contact Cleaner (5 gal)	1621-5G	3, 10
ES1695	Flux-Off No Clean *New & Imp (12oz)	1634-12S	10	02132	QD Contact Cleaner (54 gal)	1621-54G	3, 10
ES1696	Flux-Off No-Clean Plus (12oz)	1621-10S	10	02140	Contact Cleaner 2000 (13 oz)	1635-20S	3
ES1697	Flux-Off Lead-Free (12 oz)	1621-10S	10	02142	Contact Cleaner 2000 (5 gal)	1638-5G	3, 10
ES189	Max-Kleen Citrus (1 gal)	1500-G	2	02143	Contact Cleaner 2000 (55 gal)	1638-54G	3, 10
ES194G	Max-Kleen Mighty Wash (1 gal)	1500-G	2	02145	XT-2000 Precision Cleaner (12 oz)	1630-16S	3
ES195	Flux-Off No Clean New & Imp (1gal)	1638-5G	3, 10	02147	XT-2000 Precision Cleaner (5 gal)	1638-5G	3, 10
ES196	Flux-Off No-Clean Plus (1 gal)	1621-5G	3, 10	02180	Electrical Parts Cleaner (19 oz)	1635-20S	3
ES197	Flux-Off Lead Free Flux Remvr (1gal)	1621-5G	3, 10	02185	Fast Dry Degreaser (15 oz)	1620-10S	3
ES2211	Electro-Wash NX New & Imp (18oz)	1667-18S	5	02190	PF Precision Cleaner (14 oz)	1632-16S	3
ES2279	Max-Kleen Lectro-Solv	1635-20S	3	02205	NT Precision Cleaner (12 oz)	1632-16S	3
ES2284	Max-Kleen Xtreme (19 oz)	1635-20S	3	02207	NT Precision Cleaner (5 gal)	1638-5G	3, 10
ES2289	Max-Kleen Citrus (15 oz)	1500-QT	2	02208	NT Precision Cleaner (55 gal)	1638-54G	3, 10
ES3294	Max-Kleen Mighty Wash (32 oz)	1500-QT	2	02210	Precision Plus Cleaner (14 oz)	1630-16S	3
ES535	Flux-Off Rosin (5 gal)	1621-5G	3, 10	02215	Electronic Degreaser (15 oz)	1630-16S	3
ES5535	Flux-Off Rosin (55 gal)	1621-54G	3, 10	02218	Electronic Degreaser (5 gal)	1638-5G	3, 10
ES5589	Max-Kleen Citrus (53 gal)	1500-54G	2	03070	Contact Cleaner (14 oz)	1652-10S	4, 11
ES596	Flux-Off No-Clean Plus (5 gal)	1621-5G	3, 10	03095	Heavy Duty Degreaser	1635-20S	3
ES6100	Electro-Wash VZ (12 oz)	1630-16S	3	03110	Super Degreaser (20 oz)	1635-20S	3
ES6200	Flux-Off VZ (12 oz)	1631-16S	10	03115	T-Force Degreaser (18 oz)	1651-16S	4, 11
ES6300	Pow-R-Wash VZ (12 oz)	1632-16S	3	03130	QD Contact Cleaner (11 oz)	1622-13S	3
ES7100	Electro-Wash CZ (12 oz)	1651-16S	4, 11				



03131	QD Contact Cleaner (5 gal)	1621-5G	3, 10
03132	QD Contact Cleaner (54 gal)	1621-54G	3, 10
03150	Contact Cleaner 2000 (13 oz)	1635-20S	3
03152	Contact Cleaner 2000 (5 gal)	1638-5G	3, 10
03153	Contact Cleaner 2000 (55 gal)	1638-54G	3, 10
03155	XT-2000 Precision Cleaner (12 oz)	1630-16S	3
03157	XT-2000 Precision Cleaner (5 gal)	1638-5G	3, 10
03180	Quick Clean (19 oz)	1635-20S	3
03185	Chlor-Free Degreaser (14 oz)	1620-10S	3
03187	Chlor-Free Degreaser (5 gal)	1621-5G	3, 10
03188	Chlor-Free Degreaser (54 gal)	1621-54G	3, 10
03190	PF Precision Cleaner (14 oz)	1632-16S	3
03205	NT Precision Cleaner (12 oz)	1632-16S	3
03207	NT Precision Cleaner (5 gal)	1638-5G	3, 10
03208	NT Precision Cleaner (55 gal)	1638-54G	3, 10
03215	Electronic Degreaser (15 oz)	1630-16S	3
03217	Electronic Degreaser (1 gal)	1638-G	3, 10
03218	Electronic Degreaser (5 gal)	1638-5G	3, 10
04085	Duster (8 oz)	1671-10S	1
05185	Duster (8 oz)	1673-10S	1
14035	CE Precision Cleaner (12 oz)	1632-16S	3
14035	CE Precision Cleaner (12 oz)	1632-16S	3
14085	Duster (8 oz)	1671-10S	1
14086	Freeze Spray (10 oz)	1672-10S	1
14401	Butyl-Free Cleaner (32 oz)	1500-QT	2
14402	Butyl-Free Cleaner (1 gal)	1500-G	2
14403	Butyl-Free Cleaner (5 gal)	1500-5G	2
14404	Butyl-Free Cleaner (54 gal)	1500-54G	2
14407	All Purpose Degreaser (32 oz)	1500-QT	2
14408	All Purpose Degreaser (1 gal)	1500-G	2
14409	All Purpose Degreaser (5 gal)	1500-5G	2
14410	All Purpose Degreaser (54 gal)	1500-54G	2
14411	Glass Cleaner (32 oz)	1505-QT	5
14412	Glass Cleaner (1 gal)	1505-G	5
14415	Hydro Force Degreaser (32 oz)	1500-QT	2
14416	Hydro Force Degreaser (1 gal)	1500-G	2
14417	Hydro Force Degreaser (5 gal)	1500-5G	2
14418	Hydro Force Degreaser (54 gal)	1500-54G	2
14420	Hydro Force Degreaser (275 gal)	1500-275G	2
14421	All Purpose Degreaser (275 gal)	1500-275G	2
14422	Butyl-Free Cleaner (275 gal)	1500-275G	2

DESCO		TECHSPRAY	
10434	Reztore Mat Cleaner (16 oz)	1733-QT	21
10435	Reztore Mat Cleaner (32 oz)	1733-QT	21

EASY BRAID		TECHSPRAY	
OS-A-100	One-Step No-Cln Braid 100ft/0.025"	1814-100F	15
OS-A-10AS	One-Step No-Cln A/S 10ft/0.025"	1820-10F	15
OS-A-25	One-Step No-Cln Braid 25ft/0.025"	1820-25F	15
OS-A-5AS	One-Step No-Cln A/S 5ft/0.025"	1820-5F	15
OS-B-100	One-Step No-Cln Braid 100ft/0.050"	1815-100F	15
OS-B-10AS	One-Step No-Cln A/S 10ft/0.050"	1821-10F	15
OS-B-25	One-Step No-Cln Braid 25ft/0.050"	1821-25F	15
OS-B-5AS	One-Step No-Cln A/S 5ft/0.050"	1821-5F	15
OS-C-100	One-Step No-Cln Braid 100ft/0.075"	1816-100F	15
OS-C-10AS	One-Step No-Cln A/S 10ft/0.075"	1822-10F	15
OS-C-25	One-Step No-Cln Braid 25ft/0.075"	1816-25F	15
OS-C-5AS	One-Step No-Cln A/S 5ft/0.075"	1822-5F	15
OS-D-100	One-Step No-Cln Braid 100ft/0.100"	1817-100F	15
OS-D-10AS	One-Step No-Cln A/S 10ft/0.100"	1823-10F	15

OS-D-25	One-Step No-Cln Braid 25ft/0.100"	1823-25F	15
OS-D-5AS	One-Step No-Cln A/S 5ft/0.100"	1823-5F	15
OS-E-25	One-Step No-Cln Braid 25ft/0.125"	1824-25F	15
OS-E-5AS	One-Step No-Cln A/S 5ft/0.125"	1824-5F	15
EB41D2120	MPM roll wipe 39ft.	2366-DEK	13, 26
EB41M1855	MPM roll wipe 55ft	2367-MPM	13, 26
LF-A-10AS	One-Step LF 10ft/0.025"	1820-5F	15
LF-A-5AS	One-Step LF 5ft/0.025"	1820-5F	15
LF-B-10AS	One-Step LF 10ft/0.050"	1821-5F	15
LF-B-5AS	One-Step LF 5ft/0.050"	1821-5F	15
LF-C-10AS	One-Step LF 10ft/0.075"	1822-5F	15
LF-C-5AS	One-Step LF 5ft/0.075"	1822-5F	15
LF-D-10AS	One-Step LF 10ft/0.10"	1823-5F	15
LF-D-5AS	One-Step LF 5ft/0.10"	1823-5F	15
LF-E-10AS	One-Step LF 10ft/0.125"	1824-5F	15
LF-E-5AS	One-Step LF 5ft/0.125"	1824-5F	15
Q-A-10AS	Quick Braid 10ft/0.025"	1808-10F	14
Q-A-5AS	Quick Braid A/S 5ft/0.025"	1808-5F	14
Q-B-100	Quick Braid 100ft/0.050"	1802-100F	14
Q-B-10AS	Quick Braid A/S 10ft/0.050"	1809-10F	14
Q-B-25	Quick Braid 25ft/0.050"	1809-25F	14
Q-B-500	Quick Braid 500ft/0.050"	1802-500F	14
Q-B-5AS	Quick Braid A/S 5ft/0.050"	1809-5F	14
Q-C-100	Quick Braid 100ft/0.075"	1803-100F	14
Q-C-10AS	Quick Braid A/S 10ft/0.075"	1810-10F	14
Q-C-25	Quick Braid 25ft/0.075"	1810-25F	14
Q-C-500	Quick Braid 500ft/0.075"	1803-500F	14
Q-C-5AS	Quick Braid A/S 5ft/0.075"	1810-5F	14
Q-D-100	Quick Braid 100ft/0.100"	1804-100F	14
Q-D-10AS	Quick Braid 10ft/0.100"	1811-10F	14
Q-D-25	Quick Braid 25ft/0.100"	1811-25F	14
Q-D-500	Quick Braid 500ft/0.100"	1804-500F	14
Q-D-5AS	Quick Braid A/S 5ft/0.100"	1811-5F	14
Q-E-10AS	Quick Braid A/S 10ft/0.125"	1812-10F	14
Q-E-25	Quick Braid 25ft/0.125"	1805-25F	14
Q-E-5AS	Quick Braid A/S 5ft/0.125"	1812-5F	14

ELECTROLUBE		TECHSPRAY	
CCC	Contact Cleaner	1632-16S	3
CCL	Non-Flammable Contact Cleaner	1632-16S	3
DGC	Non-Flammable Degreaser	1630-16S	3
EAD	Airduster	1671	1
EADI200D	Invertible Airduster	1697-8S	1
ECSP	ECSP Plus	1622-10S	3
FLU	Fluxclene	1621-10S	10
FRC	Non-Flammable Flux Remover	1631-16S	10
FRE	Freezer (152a)	1672-10S	1
GAS	General Purpose Anti Static Treatment	1726-QT	21
GDP400	High Powered Airduster	1697-10S	1
HAS	Heavy Duty Anti Static Treatment	1726-QT	21
HPA	High Performance Acrylic	2108	16
LFFR	Lead Free Flux Remover	1621-10S	10
MCF	Minimum Charging Freezer	1747-10S	1
PCM	Peelable Solder Mask	2218-8SQ	19
PCS	Peelable-Coating Mask	2211-8SQ	19
SCC3	Silicone Conformal Coating	2102	17
SSS	Screen & Stencil Solvent	1570-QT	12
SSW	Screen & Stencil Wipes	1570-100DSP	12

GC ELECTRONICS		TECHSPRAY	
10-1507	IPA (16 oz)	1610-P	13

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10-1507-5G	IPA (6 gal)	1610-5G	13
10-1507-G	IPA (1 gal)	1610-G4	13
10-8108	Silicone Heat Sink (6.5g tube)	1977-DP	23
10-8126	Silicone-Free Heat Sink (1 lb)	1978-1	23
10-9082	Glass & Plastic Cleaner (19 oz)	1625-18S	5
19-1906	De-Ox-Id	2112-6S	7
19-272	Flux Solv GC3 (16 oz)	1631-16S	10
19-640	Jiffy Bath (10 oz)	1620-10S	3
19-802	GC NPB (16 oz)	1635-20S	3
19-8410	Freeze Mist (12 oz)	1672-15S	1
19-8410-10	Freeze Mist (10 oz)	1672-10S	1
19-8410-SF	Freeze Mist (12 oz)	1747-10S	1
19-8475	Air Jet (12 oz)	1671-15S	1
19-8475-10	Air Jet (10 oz)	1671-10S	1
19-8508	Air Jet (8 oz)	1671-10S	1
19-905	Big Bath (12 oz)	1630-10S	3
19-906	Big Bath (16 oz)	1630-16S	3
19-912	Big Bath Contact Cleaner (12 oz)	1632-10S	3
19-913	Big Bath Contact Cleaner (16 oz)	1632-16S	3

HENKEL / LOCTITE		TECHSPRAY	
3900	Acrylic Coating	2108	16
36646	Non-Flammable Contact Cleaner	1635-20S	3

HUMISEAL		TECHSPRAY	
1A20	Urethane Coating	2104	17
1A34	Urethane Coating	2104	17
1B12	Acrylic Coating	2108	16
1B15	Acrylic Coating	2108	16
1B31	Acrylic Coating	2108	16
1B31EPA	Acrylic Coating	2108	16
1B73	Acrylic Coating	2108	16
1B73AP	Acrylic Coating	2108	16
1B73EPA	Acrylic Coating	2108	16
1C49LV	Silicone Coating	2102	17
1C55	Silicone Coating	2102HV	17

JnJ INDUSTRIES		TECHSPRAY	
SW100IPA/DI	SuperSatSmartWipes (100 ct)	1608-100DSP	13
SW6IPA/DI	IPA/DI (1 gal)	1608-G4	13
SW100IPA	Isopropyl Alcohol Wipes (100ct)	1610-100DSP	13
SB6IPA	Isopropyl Alcohol (1 pt)	1610-PT	13
GA6IPA	Isopropyl Alcohol (1 gal)	1610-G4	13
DR55IPA	Isopropyl Alcohol (55 gal)	1610-54G	13
810	Ultraclean Wipe 9x9	2355-100	25
443	Foam Wipe 6x9	2358-50	25
0412	Optismart Wipe 9x9	2353-50	24
4101MP	Standard MPM Smart Roll	2367-MPM	13, 26
4202DK	Standard DEK Smart Roll	2366-DEK	13, 26
SW100LFPR	Lead-Free SmartWipes (100ct)	1570-100DSP	12
SB6LFPR	Lead-Free Paste Remover (1 pt)	1570-QT	12
GA6LFPR	Lead-Free Paste Remover (1 gal)	1570-G	12
SW100SMT	SMT Stencil Clnr Wipes (100ct)	1570-100DSP	12
SB6SMT	SMT Stencil Cleaner (1 pt)	1570-QT	12
GA6SMT	SMT Stencil Cleaner (1 gal)	1570-G	12
SW100IKS	Ink & Screen Cleaner Wipes (100ct)	1570-100DSP	12
SB6IKS	Ink & Screen Cleaner (1 pt)	1570-QT	12
GA6IKS	Ink & Screen Cleaner (1 gal)	1570-G	12
430	Clean-Task Wipes (300/bag)	2350-100	24
SW100HDD	Degreaser Wipes (100/tub)	1500-72DSP	2
SB6HDD	Heavy-Duty Degreaser (1 pt)	1500-QT	2

GA6HDD	Heavy-Duty Degreaser (1 gal)	1500-G	2
DR55HDD	Heavy-Duty Degreaser (54 gal)	1500-54G	2

KESTER		TECHSPRAY	
TC-527	Hi-Temp Flexible Mask	2218	19
TC-530	De-Ammoniated Flexible Mask	2211	19
TC-533	Flexible Mask	2218	19
TC-564-1	Water Soluble Mask	2204	19

KIMBERLY CLARK		TECHSPRAY	
KC34155	Kimwipe task wipe - small	2342-300	24
KC34256	Kimwipe task wipe - large	2343-140	24

KYZEN		TECHSPRAY	
141-R	Cybersolv 141-R	1621-10S	10
C8502	Cybersolv C8502	1638	3, 10
I3418	Ionox I3418	1570	12
I3955	Ionox I3955	1654	8
IMX2512	Micronox Mx2512	1654	8

LPS INDUSTRIES		TECHSPRAY	
00416	Revo 66 Contact Cleaner (12 oz)	1635-20S	3
00705	Instant Super Degreaser (5 gal)	1638-5G	3, 10
00719/00720	Instant Super Degreaser (20 oz)	1630-16S	3
03105	CFC Free Electro Contact Clnr (5 gal)	1621-5G	3, 10
03116	CFC Free Electro Contact Clnr (11 oz)	1622-13S	3
03155	CFC Free Electro Contact Clnr (55 gal)	1621-54G	3, 10
03505	Zero Tri Heavy-Duty Degr (5 gal)	1621-5G	3, 10
03520	Zero Tri Heavy-Duty Degr (15 oz)	1620-10S	3
03555	Zero Tri Heavy-Duty Degr (55 gal)	1621-54G	3, 10
04015	NoFlash Prec Contact Cleaner	1632-16S	3
04016	NoFlash Electro Contact Clnr (15 oz)	1632-16S	3
04620	PSC Plastic Safe Cleaner (18 oz)	1652-10S	4, 11
05710	QB Precision Duster (10 oz)	1671-10S	1
05712	PowerBlast Duster	1697-10S	1
07128	Instant Super Degreaser (1 gal)	1638-G	3, 10

MG CHEMICAL		TECHSPRAY	
422	Silicone Conformal Coating	2102	17
423	Fine Braid Super Wick 0.025"/5ft	1808-5F	14
424	Fine Braid Super Wick 0.050"/5ft	1809-5F	14
425	Fine Braid Super Wick 0.075"/5ft	1810-5F	14
426	Fine Braid Super Wick 0.100"/5ft	1811-5F	14
427	Fine Braid Super Wick 0.125"/5ft	1812-5F	14
442	Fine Braid Super Wick 0.050"/25ft	1809-25F	14
443	Fine Braid Super Wick 0.075"/25ft	1810-25F	14
444	Fine Braid Super Wick 0.100"/25ft	1811-5F	14
463	Fine Braid Super Wick 0.075"/100ft	1810-100F	14
464	Fine Braid Super Wick 0.100"/100ft	1811-100F	14
472	Fine Braid Super Wick 0.050"/500ft	1802-500F	14
473	Fine Braid Super Wick 0.075"/500ft	1803-500F	14
474	Fine Braid Super Wick 0.100"/500ft	1804-500F	14
814	Foam Swabs/ rectangular	2306	26
851	Brush Brass	2025-1	28
852	Brush Hog Hair	2021-1	28
853	Brush Hog Hair	2022-1	28
856	Horse Hair Brush Double Ended	2032-1	28
857	Hog Hair Brush 4.5" wooden handle	2027-1	28
858	Stainless Steel Brush	2043-1	28
859	Horse Hair Brush 3 row bristles	2020-1	28
4223	Urethane Conformal Coating	2104	17
8280	Plasma Screen Cleaning Cloth	2368-2	6, 25
8281	Microfiber Super Cloth	2363-50	25



402A	Super Duster 134	1671	1	MCC-FRCD	Flux Remover C (55 Gal)	1638-54G	3, 10
402AR	Super Duster 134 Refill (10 oz)	1671-10RS	1	MCC-FRCG	Flux Remover C (1Gal)	1638-G	3, 10
402B	Super Duster 152	1673-10S	1	MCC-FRCP	Flux Remover C (5 Gal)	1638-5G	3, 10
402T	Chrome Trigger Valve	1928	1	MCC-FRZ	Micro Freeze Circuit Chiller (10 oz)	1672-10S	1
403A	Super Cold 134	1672	1	MCC-FRZA	Anti-Stat Micro Freeze Circuit Chiller (10 oz)	1747-10S	1
404B-340G	Contact Cleaner with Silicones (12 oz)	2420-10S	7	MCC-HDC	Heavy Duty Degreaser C (10 oz)	1630-10S	3
4050-20L	Safety Wash Clnr Degr (5 gal)	1621-5G	3, 10	MCC-HDCD	Heavy Duty Degreaser C (55 Gal)	1638-54G	3, 10
4050A	Safety Wash Clnr Degr Aerosol	1620-10S	3	MCC-HDCG	Heavy Duty Degreaser C (1gal)	1638-G	3, 10
406B-425G	Super Wash Clnr Degrsr (15 oz)	1620-10S	3	MCC-HDCP	Heavy Duty Degreaser C (5 gal)	1638-5G	3, 10
408A-100ML	Rubber Renue (3.5 oz)	1612-2SQ	6	MCC-MAT	StatMat ESD Cleaner (12oz)	1733-QT	21
409B	Electrosolve Contact Cleaner	1622	3	MCC-MATG	StatMat ESD Cleaner (1gal)	1733-G	21
4112-340G	NPB Heavy Duty Clnr Degr (12 oz)	1635-20S	3	MCC-MATP	StatMat ESD Cleaner	1733-5G	21
411-300G	HFE Solvent (10.5 oz) Aerosol	1651-16S	4, 11	MCC-MCAPG	Vertrel MCA Plus (1 gal)	1655-G	8
4120-450G	HFE Super Cleaner Degr (16 oz)	1630-16S	3	MCC-PMG	Plastic, Metal Glass Clnr (12 oz)	1505-QT	5
4190-GP	Green Overcoat Pen (5ml)	2509-GN	22	MCC-PMGG	Plastic, Metal Glass Clnr (1 gal)	1505-G	5
419B	Acrylic Laquer Conformal Coating	2108	16	MCC-PRO	ProClean Flux Remover (12 oz)	1621-10S	10
422B	Silicone Conformal Coating	2106	17	MCC-PROD	ProClean Flux Remover (360 lbs)	1621-54G	3, 10
424LF	Lead-Free Wick 0.050"/5ft	1821-5F	15	MCC-PROP	ProClean Flux Remover (32 lbs)	1621-5G	3, 10
424-NS	No-Clean Super Wick 0.050"/5ft	1821-5F	15	MCC-PROW	ProClean Wipes (100/tub)	1570-100DSP	12
425LF	Lead-Free Wick 0.075"/5ft	1822-5F	15	MCC-PW210A	PowerClean II (10 oz)	1631-10S	10
425-NS	No-Clean Super Wick 0.075"/5ft	1822-5F	15	MCC-PW2D	PowerClean II (55 gal)	1638-54G	3, 10
426LF	Lead-Free Wick 0.100"/5ft	1823-5F	15	MCC-PW2G	PowerClean II (1 gal)	1638-G	3, 10
426-NS	No-Clean Super Wick 0.100"/5F	1823-5F	15	MCC-PW2P	PowerClean II (5 gal)	1638-5G	3, 10
453-NS	No-Clean Super Wick 0.075"/50ft	1822-50F	15	MCC-ROC	Reflow Oven Cleaner (12 oz)	1573-QT	12
811-100	Cotton Swab/ Double Headed 100ct	2300-100	26	MCC-ROCG	Reflow Oven Cleaner (1 gal)	1573-G	12
8112-100	Tapered Cotton Swab 100ct	2313-30	26	MCC-SMTG	Vertrel SMT (1 gal)	1655-G	8
824-1G	Isopropanol Clnr (1 gal) Liquid 4 per carton	1610-G4	13	MCC-SPR	SuprClean Defluxer (12 oz)	1631-16S	10
8241-T	IPA (70%) Wipes (90/tub)	1608-100DSP	13	MCC-SPRD	SuprClean Defluxer (55 gal)	1638-54G	3, 10
8241-T	Alcohol Wipes (75/tub)	1608-100DSP	13	MCC-SPRG	SuprClean Defluxer (1gal)	1638-G	3, 10
824-20L	Isopropanol Clnr (5.8 gal) Liquid	1610-5G	13	MCC-SPRP	SuprClean Defluxer (5 gal)	1638-5G	3, 10
824-4L	Isopropanol Clnr (35 oz) Liquid	1610-G1	13	MCC-W11	Poly/Cel Wipe (100/bag)	2350-100	24
824-500ML	Isopropanol Clnr (12 oz) Pump	1610-P	13	MCC-W12	Economy Wipe 12"x16" 50/bag	2364-50	25
824-W	PreSaturated IPA Wipe	1610-50PK	13	MCC-W69MA	Foam Wipes 6"x9" 25/bag	2358-50	25
825-500G	Glass Cleaner (15 oz)	1625-18S	5	MCC-W99PP	Cleanroom Wipe Light 9"x9" 150/bag	2355-100	25
827B-425G	Heavy Duty Clnr Degreaser (15 oz) Aerosol	1620-10S	3	MCC-W99TJ	Cotton Flat Wipes 9X9 300/bag	2357-100	25
8282-300	Hydrowipes 9"x9" (300/bag)	2359-300	25	MCC-WS202	Reticulated Pourous Foam Swab 50/bag	2306-50	26
8301-50	Presaturated Cleaning Cards	1603-50PK	6	MCC-WS501	Economy Cotton Swab Large 1000/bag	2301-1000	26
8310-100ML	Conformal Coating Stripper (3.4oz)	2510-P	17	MCC-WS502	Economy Cotton Swab Small 1000/bag	2300-1000	26
836-140G	Label and Adhesive Remvr (5 oz)	1613-6S	6				
855-5	Horse Hair Brush Tin Handle	2033-1	28				
862-150ML	Mask - Latex Peelable (6 oz) Tube	2211-8SQ	19				
<b>MICROCARE</b>				<b>TECHSPRAY</b>			
MCC-AIR	Big Blast Canned Air (14 oz)	1671-15S	1	C0712B	Silicone Conformal Coating (bulk)	2102	17
MCC-BAC16	Isoclean, Isopropyl Alcohol (16 oz)	1610-PT	13	ML-782	Vertrel XF Cleaning Agent	1652	4, 11
MCC-BACD	Isoclean, Isopropyl Alcohol (55 gal)	1610-54G	13	MS-222	Aero-Duster	1671	1
MCC-BACG	Isoclean, Isopropyl Alcohol (1 gal)	1610-GS	13	MS-242N	Quik-Freeze (14 oz)	1672-15S	1
MCC-BACP	Isoclean, Isopropyl Alcohol (5 gal)	1610-5G	13	MS-242N-AS	Quik-Freeze Antistatic (14 oz)	1747-10S	1
MCC-BGA	BGA Stencil Cleaner (12 oz)	1570-QT	12	MS-260	Safezone Cleaner (16 oz)	1625-18S	5
MCC-BGAG	BGA Stencil Cleaner (1 gal)	1570-G	12	MS-260M	Safezone Cleaner (8 oz)	1505-QT	5
MCC-CCC	Contact Cleaner C (10 oz)	1632-10S	3	MS-260W	Safezone Cleaner Wipes (40ct)	1505-100DSP	5
MCC-CCCD	Contact Cleaner C (55 gal)	1638-54G	3, 10	MS-381HM	Connector Lubricant (8 oz)	2112-6S	7
MCC-CCCG	Contact Cleaner C (1 gal)	1638-G	3, 10	MS-460C	Silicone Conformal Coating (14 oz)	2102-12S	17
MCC-CCCP	Contact Cleaner C (5 gal)	1638-5G	3, 10	MS-462C	Silicone Conformal Coating (bulk)	2102	17
MCC-CDIW	ScreenClean Wipes (100/tub)	1570-100DSP	12	MS-465C	Acrylic Conformal Coating (14 oz)	2108-12S	16
MCC-DC1	VeriClean Defluxer (10 oz)	1621-10S	10	MS-467C	Acrylic Conformal Coating (bulk)	2108	16
MCC-DC1D	VeriClean Defluxer (55 gal)	1621-54G	3, 10	MS-470C	Urethane Conformal Coating (14 oz)	2104-12S	17
MCC-DC1P	VeriClean Defluxer (5 gal)	1621-5G	3, 10	MS-472C	Urethane Conformal Coating (bulk)	2104	17
MCC-DST	Big Blast Canned Air (10 oz)	1671-10S	1	MS-475C	Acrylic Conformal Coating (14 oz)	2108-12S	16
MCC-FRC	Flux Remover C (10 oz)	1631-10S	10	MS-477C	Acrylic Conformal Coating (bulk)	2108	16
				MS-530	New Contact Re-Nu (14 oz)	1632-16S	3
				MS-532	New Contact Re-Nu (bulk)	1638	3, 10
				MS-555	New Heavy Duty Flux Remover (16oz)	1631-16S	10

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MS-222	Aero-Duster	1671	1
MS-242N	Quik-Freeze (14 oz)	1672-15S	1
MS-242N-AS	Quik-Freeze Antistatic (14 oz)	1747-10S	1
MS-260	Safezone Cleaner (16 oz)	1625-18S	5
MS-260M	Safezone Cleaner (8 oz)	1505-QT	5
MS-260W	Safezone Cleaner Wipes (40ct)	1505-100DSP	5
MS-381HM	Connector Lubricant (8 oz)	2112-6S	7
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MS-462C	Silicone Conformal Coating (bulk)	2102	17
MS-465C	Acrylic Conformal Coating (14 oz)	2108-12S	16
MS-467C	Acrylic Conformal Coating (bulk)	2108	16
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51021	Air Blast (10 oz)	1671-10S	1
51022	Arctic Air II (10 oz)	1672-10S	1

51024	Smart Duster (10 oz)	1673-10S	1
51290	BromoClean (12 oz)	1635-20S	3
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13005	Simple Green Concentrate - 1 gal	1500-G	2
13022	Simple Green Concentrate - 22oz	1500-QT	2
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S02206000	Electro Wizard Contact Cleaner (10 oz)	1632-16S	3
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94153	Gust Premium Air Duster (15 oz.)	1671-15S	1
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94202	Gust Compact Duster (8 oz)	1671-10S	1
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0038	True Blitz Aerosol (16 oz)	1620-10S	3
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0203	Power Solv II (18 oz)	1635-20S	3
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0283	Elec II Plus	1632-16S	3
0350	Dynamo (14 oz)	1622-13S	3
065009	Tuff Green (1 qt)	1500-QT	2
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Delco C00012555	1671-15S	1	Mercedes Benz MSC # 3104	1500	2
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2357-100	Techclean Twillwipe . . . . .	25
2358-50	Techclean SMT Foam Wipe . . . . .	25
2359-300	Techclean Blue Wipe . . . . .	24
2362-150	Techclean Anti-Static Wipe . . . . .	25
2363-50	Microfiber Glass & Plastic Cleaning Wipes . . . . .	25
2364-50	Techclean Maintenance Wipes . . . . .	25
2365-300	Economy Blue Wipe . . . . .	25
2366-DEK	Tech Roll Ultra DEK Printers . . . . .	13,26
2367-MPM	Tech Roll Ultra MPM Printers . . . . .	13,26
2368-2	LCD & Plasma Screen Cleaning Wipes . . . . .	25

## 2400 Series

2420-10S	Slic Silicone Lubricant . . . . .	7
2421-12S	G3 Kleen-It Lubricant . . . . .	7

## 2500 Series

2503-DP	Tech Hold Adhesive . . . . .	23
2505	Trace Tech Conductive Pen . . . . .	22
2506	Trace Tech Flux Remover Pen . . . . .	22
2507	Trace Tech No-Clean Flux Pen . . . . .	22
2509	Trace Tech Overcoat Pen – Green . . . . .	22
2510	Conformal Coating Remover . . . . .	17,23
2515-N	LeadCheck Swabs . . . . .	23

## 3500 Series

3500	H/D Adhesive . . . . .	7
3505	Economy Adhesive . . . . .	7
3510	Contact Adhesive . . . . .	7



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# TECHSPRAY RENEW™



ECO-SHOWER™  
Cleaner & Degreaser  
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ECO-SHINE™  
Glass & Surface Cleaner  
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ECO-STENCIL™  
SMT Stencil Cleaner  
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ECO-OVEN™  
SMT Oven Cleaner  
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