



TECHSPRAY®

Precision Cleaning Technologies
for the Electronics Industry

Product Catalog & Application Guide





DUSTERS

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
- Safe on Plastics
- Zero Residue
- Non-Ozone Depleting

1673 ECONOMY DUSTER

Economical HFC-152a based duster.

- Best Value — 30% More Volume

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.

- Safest Choice
- Non-Flammable

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

1671-8S 8 oz aerosol

1671-10S 10 oz aerosol

1671-15S 15 oz aerosol

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

1928 Chrome trigger

BEST SELLER!



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

1697-8S Vortex 360° 8 oz aerosol

1697-10S 10 oz aerosol



RoHS Compliant 
"Always was...always will be"



Freeze spray helps locate over-heating 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

1672 FREEZE SPRAY

Pure HFC-134a freeze spray.

- Chills down to -60°F (-51°C)

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

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)

Specifications: NCR 603-8001308, Delco C00054786, HP - 8500-6344

1747-10S 10 oz aerosol

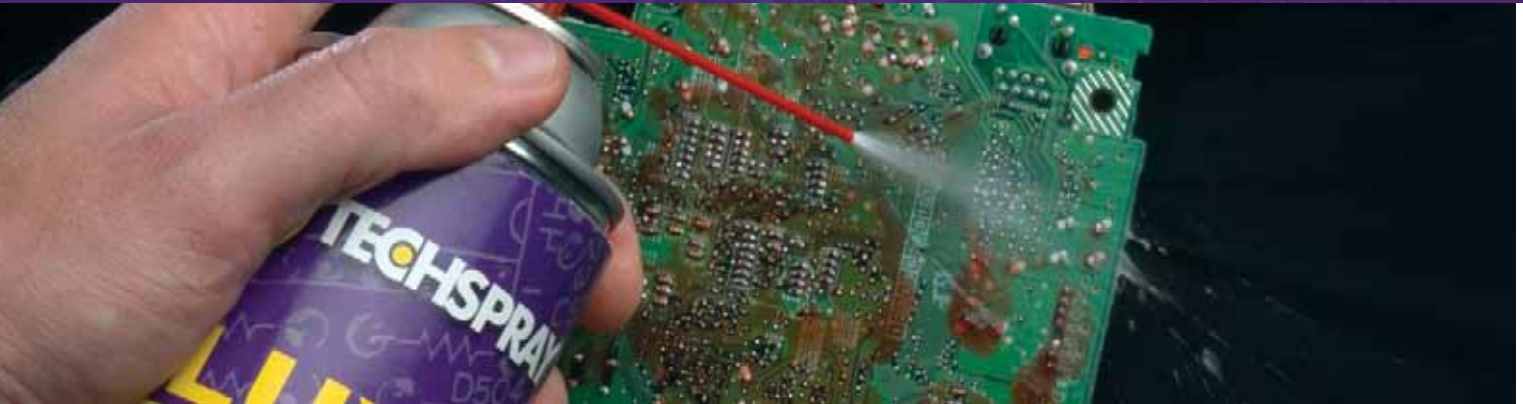
1747-15S 15 oz aerosol



1647-10S

See Full ESD Line — Pages 20-21

FLUX REMOVERS



RoHS Compliant 
 "Always was...always will be"

Flux removers (defluxers) remove flux residues 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® and Ecoline™ 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 and Ecoline 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:

- **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.

- 1621-10S** 10 oz aerosol
- 1621-5G** 33 lbs in 5 gallon metal drum
- 1621-54G** 340 lbs in 54 gallon 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

- 1631-10S** 10 oz aerosol
- 1631-16S** 16 oz aerosol



1631-16S

1634 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

- 1634-12S** 12 oz aerosol



1638 G3 FLUX REMOVER – BULK

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

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

- 1638-G** 1 gal in glass
- 1638-5G** 50 lbs in 5 gallon metal drum
- 1638-54G** 580 lbs in 54 gallon 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.



G3 and Ecoline defluxers easily clean tough baked-on rosin flux contaminants in 3-5 seconds.

| FLUX REMOVERS | | Key: ● = Best ◐ = Acceptable ○ = Not applicable / Not recommended | | | | |
|-----------------------------------|---------------|---|-----------------------|----------------------|-----------------------|-------------------------|
| Product | Non-Flammable | Plastic Safe | Lead-Free Recommended | RA, RMA Flux Remover | No-Clean Flux Remover | Sales Highlights |
| 1621 Ecoline Flux Remover | ○ | ● | ● | ● | ● | Economic & Powerful |
| 1631 G3 Flux Remover | ● | ◐ | ● | ● | ● | Strongest Non-flammable |
| 1634 G3 No-Clean Flux Remover | ● | ◐ | ● | ● | ● | Strongest Non-flammable |
| 1638 G3 Bulk Flux Remover | ● | ◐ | ● | ● | ● | Strongest Non-flammable |
| 1660 AK-225 No-Clean Flux Remover | ● | ● | ◐ | ● | ● | High Precision |
| 1665 AK-225 Flux Remover AMS | ● | ● | ◐ | ● | ◐ | High Precision |
| 1679 Envi-Ro-Tech | ○ | ● | ○ | ● | ◐ | Non-aerosol |
| 1686 HFE Flux Remover | ● | ● | ○ | ● | ◐ | Highest Precision |

1660 AK-225 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

1660-6S 6 oz aerosol w/brush attachment
1660-12S 12 oz aerosol



1660-6S

1665 AK-225 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

1665-8S 8 oz aerosol
1665-18S 18 oz aerosol
1665-5G 50 lbs in 5 gallon metal drum
1665-54G 600 lbs in 54 gallon metal drum



1665-8S

1679 ENVI-RO-TECH™ 1679

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

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

1679-PT 1 pint in plastic bottle w/trigger sprayer



1686 HFE FLUX REMOVER

Rapid evaporation and lowest possible residue makes this ideal for high precision applications.

- Highest Precision — Residue-Free
- Non-Flammable
- Ideal for Sensitive Plastic
- Non-Ozone Depleting

1686-18S 18 oz aerosol



1663 • 1664

See page 9 for product listings for Asahiklin AK225 (1663) and Kleen ATMS (1664).

SUPERIOR CLEANING FOR THE MOST DEMANDING APPLICATIONS



The power of G3[®] is taking the industry by storm! G3[®] is by far the best HCFC-141b replacement on the market. No other non-flammable precision cleaner can match G3's price/performance.

INCREASE EFFICIENCY...
DECREASE DAMAGE



Techspray's powerful G3 and Econoline flux removers remove the most stubborn residues without requiring brushing. A strong stream quickly blasts residues off the surface while the solvent flows and cleans under components.

G3[®] Blue Shower Maintenance Cleaner, G3[®] Flux Remover, G3[®] No-Clean Flux Remover, G3[®] Contact Cleaner

Techspray's G3[®] line has it all!



TECHNICAL GRADE IPA

ALL ALCOHOLS ARE NOT CREATED EQUAL

99.8% pure anhydrous (containing the least water possible) isopropyl alcohol is excellent for tape head cleaning, defluxing, stencil cleaning, and other light cleaning. Avoid "bargain" alcohols for critical electronic cleaning. Cheap alcohols contain much more water, which slows drying and can cause oxidation.

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
- 1610-100DSP** 100 wipes in pop-up tub



SMALL DISPENSERS

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

- 1610-N** 10 ml pen
- 1610-PT** 1 pint in plastic bottle with trigger sprayer
- 1610-P** 1 pint in plastic bottle



1610-N



1610-PT

BULK PACKAGING

- 1610-GS** 1 gallon in bladder box
- 1610-G4** 1 gallon in plastic bottle, 4 to a carton
- 1610-5G** 32 lbs in 5 gallon plastic pail
- 1610-54G** 340 lbs in 54 gallon plastic drum



1610-G4

1981 TECHPUMP REFILLABLE DISPENSER

Cap is pressed down to pump fluid into the dish. Air-tight check valve prevents evaporation, spillage, and fluid from dripping back inside and contaminating contents.

- 1981** 1 empty 8oz bottle



FLUX REMOVERS — BULK

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.

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

- 1669-5G** 44 lbs in 5 gallon metal pail
- 1669-54G** 550 lbs in 54 gallon metal drum

1641 VAPOR DEGREASER FLUX REMOVER nPB

Economical, strong, and non-flammable defluxer designed for use in vapor degreasers. Not recommended for cold cleaning applications.

- Non-Flammable
- Used in Vapor Degreasers

- 1641-5G** 50 lbs in 5 gallon metal pail
- 1641-54G** 550 lbs in 54 gallon metal drum



Solvents ideal for vapor degreasers. The highest precision cleaning method available. (Photo courtesy of Branson Ultrasonics)

1666 ASAHIKLIN AK225 AES

AK-225 and ethanol blend combines cleaning performance with increased user safety. 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.

- 1666-5G** 55 lbs in 5 gallon metal pail
- 1666-54G** 660 lbs in 54 gallon metal drum

SMT CLEANERS



SMT STENCIL CLEANING

Effectively remove all types of solder paste (e.g. water-based, RMA, no-clean, lead-free) and uncured adhesives from screens, misprinted boards, and equipment.

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.



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

1693

SMT STENCIL WIPES

Hydrocarbon based cleaner effectively removes dried and wet pastes and uncured adhesives.

- Cleans Dried and Wet Paste
- Low Linting

1693-100DSP 100 wipes in a pop-up tub

1693-PT 1 pint with trigger sprayer



1693-100DSP

RoHS Compliant 
"Always was...always will be"

- Completely removes pastes and adhesives
- Effective on fine-pitch aperture stencils
- Safe on metal parts and plastics
- Non-ozone depleting

1692

WATER-BASED SMT STENCIL CLEANER

Proprietary, water-based cleaner powered by Zestron, the leading precision cleaning services provider. Ideal replacement for IPA cleaners, which are often prohibited because of safety and environmental restrictions.

- Non-Flammable
- Non-Hazardous
- Biodegradable
- Low VOC
- Mild Odor



1692-PT

1692-G

1692-100DSP

1692-100DSP 100 wipes in a pop-up tub

1692-PT 1 pint in plastic bottle with trigger sprayer

1692-G 1 gallon in plastic jug



Underside stencil cleaning

One gallon container (1692-G) recommended for automatic underside stencil cleaning. Just pour into the designated reservoir of your SMT printer.

RoHS Compliant

"Always was...always will be"

ELECTRONIC CLEANERS

SMT OVEN CLEANING

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

1691 WATER-BASED SMT OVEN CLEANER

Proprietary, water-based cleaner powered by Zestron, the leading precision cleaning services provider. Ideal replacement for IPA cleaners, which are often prohibited because of safety and environmental restrictions.

- Non-Flammable
- Non-Hazardous
- Biodegradable
- Low VOC
- Mild Odor



- 1691-PT** 1 pint in plastic bottle with trigger sprayer
1691-G 1 gallon in plastic jug



Wave solder finger cleaning

One gallon container (1691-G) recommended for wave solder finger cleaning. Just pour into the designated reservoir of your wave soldering machine.

| SMT CLEANERS | | Key: ● = Best ● = Acceptable ○ = Not applicable / Not recommended | | | | |
|--------------------------------------|---------------|---|------------------------|----------------------|-----------------------|-------------------|
| Product | Non-Flammable | Stencil Cleaning | Under Stencil Cleaning | Oven/Finger Cleaning | Tool/Surface Cleaning | Sales Highlights |
| 1608 IPA SMT Stencil Wipes | ○ | ● | ○ | ○ | ● | Economical |
| 1693 SMT Stencil Wipes | ○ | ● | ○ | ○ | ● | Strongest Cleaner |
| 1692 Water-based SMT Stencil Cleaner | ● | ● | ● | ○ | ● | Non-flammable |
| 1691 Water-based SMT Oven Cleaner | ● | ○ | ○ | ● | ● | Non-flammable |

WIPES IDEAL FOR SMT CLEANING

Durable, high quality, and low linting wipes do not contaminate fine stencil apertures, preventing board misprints.



2350 TECHCLEAN WIPER

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

2350-100 100 9"x9" c-fold wipes



2358

TECHCLEAN SMT WIPE

- Fiber-Free Construction — No Linting
- Will Not Snag on Stencils
- Tear Resistant

2358-50 50 9"x9" (23cm x 23cm) flat wipes



2355

TECHCLEAN PUREWIPE

- Very Low Particulate Count
- Tear Resistant

2355-100 100 9"x9" (23cm x 23cm) flat wipes



See Full Wipe Line — Pages 24–25

MAINTENANCE CLEANERS



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

Techspray offers a variety of solvents 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. Review the solvent comparison chart to find the best product for your application.

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

All Techspray maintenance cleaners have the following advantages:

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

Techspray maintenance cleaners are ideal for:

- Metal Cleaning
- Aviation Maintenance
- General Degreasing
- Transit Maintenance
- Machine Shop Cleaning

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.

- 1620-10S** 10 oz aerosol
- 1620-13S** 13 oz aerosol



1620-10S

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

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

- 1630-10S** 10 oz aerosol
- 1630-16S** 16 oz aerosol



1630-16S

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

| MAINTENANCE CLEANERS | | Key: ● = Best ● = Acceptable ○ = Not applicable / Not recommended | | | | |
|---|---------------|---|---------|--------------|-------------------|-------------------------|
| Product | Non-Flammable | Plastic Safe | Low VOC | Heavy Grease | Critical Cleaning | Sales Highlights |
| 1620 Ecoline Blue Shower | ○ | ● | ○ | ● | ● | Economical & Powerful |
| 1630 G3 Blue Shower | ● | ● | ○ | ● | ● | Strongest Non-flammable |
| 1637 G3 Bulk Universal Cleaner | ● | ● | ○ | ● | ● | Strongest Non-flammable |
| 1667 AK-225 Blue Shower II | ● | ● | ● | ● | ● | High Precision |
| 1663 Asahiklin AK-225 | ● | ● | ● | ○ | ● | High Precision |
| 1664 Kleen ATMS | ● | ● | ● | ● | ● | Strong Non-flammable |
| 1685 HFE Electronic Maintenance Cleaner | ● | ● | ● | ○ | ● | Highest Precision |

1667 AK-225 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

- 1667-8S** 8 oz aerosol
- 1667-18S** 18 oz aerosol
- 1667-5G** 50 lbs in 5 gallon metal drum



1667-18S

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.

- 1663-8S** 8 oz aerosol
- 1663-18S** 18 oz aerosol
- 1663-G** 1 gallon in glass bottle
- 1663-5G** 55 lbs in 5 gallon metal drum
- 1663-54G** 660 lbs in 54 gallon metal drum



1663-8S

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

- 1664-8S** 8 oz aerosol
- 1664-18S** 18 oz aerosol
- 1664-G** 1 gallon in glass bottle
- 1664-5G** 50 lbs in 5 gallon metal drum
- 1664-54G** 600 lbs in 54 gallon metal drum



1664-18S

1685 HFE ELECTRONIC MAINTENANCE CLEANER

Rapid evaporation and lowest possible residue makes this idea for high precision applications.

- Non-Flammable
- Highest Precision — Residue Free
- Non-Ozone Depleting

- 1685-18S** 18 oz aerosol



CLEANER/DEGREASERS — BULK

1637



MAINTENANCE CLEANER – BULK

Powerful, non-flammable bulk cleaner that is ideal for manual degreasing and contact cleaning.

- Non-Flammable
- Powerful Cleaner

| | |
|-----------------|-------------------------------|
| 1637-G | 1 gal in glass |
| 1637-5G | 50 lbs on 5 gallon metal drum |
| 1637-54G | 580 lbs in 54 gallon drum |

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

1640

VAPOR DEGREASER nPB

Economical, strong, and non-flammable cleaner/degreaser designed for use in vapor degreasers. Not recommended for cold cleaning applications.

- Non-Flammable
- Used in Vapor Degreasers

| | |
|-----------------|---------------------------------|
| 1640-54G | 550 lbs in 54 gallon 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

| | |
|-----------------|---------------------------------|
| 1658-5G | 55 lbs in 5 gallon metal pail |
| 1658-54G | 551 lbs in 54 gallon metal drum |

1694

AXAREL® 2200 CLEANER/DEGREASER

Aggressive and versatile cleaner with high flashpoint. Ideal for manual degreasing.

- Safe on Plastics
- Slower Evaporation Allows Soak Time
- Non-Ozone Depleting

| | |
|-----------------|---------------------------------|
| 1694-54G | 365 lbs in 54 gallon metal drum |
|-----------------|---------------------------------|

MAINTENANCE AND FIELD SERVICE CLEANERS

1625

GLASS CLEANER

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

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

Specifications: GM H1018, Ford Tox #142432

| | |
|-----------------|---------------|
| 1625-18S | 18 oz aerosol |
|-----------------|---------------|



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 |
|------------------|-------------------------------|



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

| | |
|-----------------|---------------------|
| 1612-2SQ | 2 oz plastic bottle |
|-----------------|---------------------|



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

| | |
|----------------|------------------------|
| 1613-N | 10ml pen |
| 1613-6S | 4.5 oz aerosol |
| 1613-G | 1 gallon in metal pail |



1613-6S



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 repair to repair faulty contacts by removing insulative contamination.

Techspray offers a variety of solvents, allowing users to match the right products with their cleaning needs. Choosing a strong, high quality cleaner saves time and money. Grease, oil, carbon deposits, and other contaminants flow right off, reducing the time and materials needed to scrub off stubborn soils. Review the solvent comparison chart to find the best product for your application.

All Techspray contact cleaners have the following advantages:

- **Rapid Evaporation**
- **Zero Residue**
- **Non-Corrosive**
- **EPA SNAP Approved**

| CONTACT CLEANERS | | | | | |
|--------------------------------------|---------------|--------------|--------------|--------------------|-------------------------|
| Product | Non-Flammable | Plastic Safe | Heavy Grease | Prevents Oxidation | Sales Highlights |
| 1622 Ecoline Contact Cleaner | ○ | ● | ● | ○ | Economical & Powerful |
| 1632 G3 Contact Cleaner | ● | ○ | ● | ○ | Strongest Non-flammable |
| 1637 G3 Bulk Universal Cleaner | ● | ○ | ● | ○ | Strongest Non-flammable |
| 1668 AK-225 Contact Cleaner II | ● | ● | ○ | ○ | High Precision |
| 1687 HFE Contact Cleaner | ● | ● | ○ | ○ | Highest Precision |
| 2111/2112 Contact Protector/Enhancer | ○ | ● | ○ | ● | Cleans & Protects |

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

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

- 1622-10S** 10 oz aerosol
- 1622-13S** 13 oz aerosol
- 1622-54G** 340 lbs in 54 gal metal drum



1632 G3 CONTACT CLEANER

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

- Non-Flammable
- Powerful Cleaner
- Non-Ozone Depleting

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

- 1632-10S** 10 oz aerosol
- 1632-16S** 16 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.

CONTACT CLEANERS

Techspray contact cleaners are ideal for...

- Utility Maintenance
- Transit Maintenance
- Aviation Maintenance
- Control Panel and Junction Box Cleaning



1668

AK-225 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

1668-8S 8 oz aerosol

1668-18S 18 oz aerosol



1668-8S

1687

HFE CONTACT CLEANER

Rapid evaporation and lowest possible residue makes this ideal for high precision applications.

- Non-Flammable
- Highest Precision — Residue Free
- Non-Ozone Depleting

1685-18S 18 oz aerosol



CONTACT ENHANCERS

Contact Enhancers increase conductivity of electronic and electrical contacts and lay down a protective layer to prevent future oxidation. Used to remove oxides and sulfides, major causes of contact degradation. The non-insulative protective layer remains stable even under harsh conditions. Safe on most plastic and rubber seals.



2111 • 2112

RID-OX™ CONTACT PROTECTOR / ENHANCER

Available in aerosol or pen dispenser, for quick, easy repair and maintenance.

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

Specifications: Pen - Meets Belcore standards, Alcatel 005-0214-060

2111-N 10 ml Pen

2112-6S 6 oz aerosol



2111-N

2112-6S

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



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

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



MAINTENANCE AND REPAIR PRODUCTS

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 calrods, or wherever efficient cooling is required.



1977

SILICONE HEAT SINK COMPOUND

Ideal for electrical applications.

- 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



1978

SILICONE-FREE HEAT SINK COMPOUND

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

- 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

DESOLDERING BRAID



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

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 (identified by their blue color) 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.

RoHS Compliant 
"Always was...always will be"

DESOLDERING BRAID SELECTION CHART

| #0 Gray | #1 White | #2 Yellow | #3 Green | #4 Blue | #5 Brown | #6 Red |  |
|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|--|
| .025 (0.7mm) | .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.

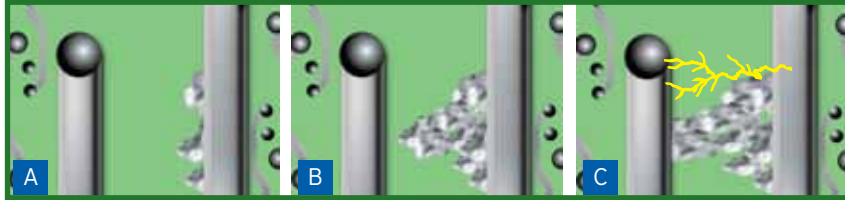
Pro-Wick® Rosin

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

| | Size/Color | 5' | 10' | 25' | 50' | 100' | 500' |
|--|---|---------|----------|----------|----------|-----------|-----------|
|  | 1801 #1 White | 1801-5F | 1801-10F | — | — | — | — |
| | 1802 #2 Yellow | 1802-5F | 1802-10F | 1802-25F | — | 1802-100F | 1802-500F |
| | 1803 #3 Green | 1803-5F | 1803-10F | 1803-25F | — | 1803-100F | 1803-500F |
| | 1804 #4 Blue | 1804-5F | 1804-10F | 1804-25F | 1804-50F | 1804-100F | 1804-500F |
| | 1805 #5 Brown | 1805-5F | — | 1805-25F | — | — | — |
| | 1806 #6 Red | 1806-5F | — | 1806-25F | — | 1806-100F | — |
| | Pro-Wick Rosin – ESD-Safe Bobbin  | | | | | | |
|  | 1826 #0 Gray | 1826-5F | — | — | — | — | — |
| | 1808 #1 White | 1808-5F | 1808-10F | — | — | 1808-100F | — |
| | 1809 #2 Yellow | 1809-5F | 1809-10F | 1809-25F | — | — | — |
| | 1810 #3 Green | 1810-5F | 1810-10F | 1810-25F | — | 1810-100F | — |
| | 1811 #4 Blue | 1811-5F | 1811-10F | 1811-25F | — | 1811-100F | — |
| | 1812 #5 Brown | 1812-5F | 1812-10F | — | — | — | — |
| | 1813 #6 Red | 1813-5F | — | — | — | — | — |

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


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' | 500' |
|--|-----------------------|---------|----------|----------|----------|-----------|-----------|
|  | 1814 #1 White | 1814-5F | 1814-10F | 1814-25F | — | 1814-100F | — |
| | 1815 #2 Yellow | 1815-5F | 1815-10F | 1815-25F | 1815-50F | 1815-100F | 1815-500F |
| | 1816 #3 Green | 1816-5F | 1816-10F | 1816-25F | 1816-50F | 1816-100F | 1816-500F |
| | 1817 #4 Blue | 1817-5F | 1817-10F | 1817-25F | 1817-50F | 1817-100F | 1817-500F |
| | 1818 #5 Brown | 1818-5F | — | 1818-25F | — | — | 1818-500F |
| | 1819 #6 Red | 1819-5F | — | — | — | 1819-100F | — |

No-Clean Wick – ESD-Safe Bobbin




| | | | | | | | |
|--|-----------------------|---------|----------|----------|----------|-----------|---|
|  | 1827 #0 Gray | 1827-5F | 1827-10F | — | — | — | — |
| | 1820 #1 White | 1820-5F | 1820-10F | 1820-25F | 1820-50F | — | — |
| | 1821 #2 Yellow | 1821-5F | 1821-10F | 1821-25F | 1821-50F | — | — |
| | 1822 #3 Green | 1822-5F | 1822-10F | — | 1822-50F | 1810-100F | — |
| | 1823 #4 Blue | 1823-5F | 1823-10F | 1823-25F | — | 1823-100F | — |
| | 1824 #5 Brown | 1824-5F | — | 1824-25F | — | — | — |
| | 1825 #6 Red | 1825-5F | — | — | — | — | — |

Unfluxed Wick – ESD-Safe Bobbin

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



| | Size/Color | 5' | 10' |
|--|-----------------------|---------|----------|
|  | 1830 #1 White | — | 1830-10F |
| | 1831 #2 Yellow | — | 1831-10F |
| | 1832 #3 Green | 1832-5F | — |
| | 1833 #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

BOARD PRODUCTION AND REWORK

CONFORMAL COATINGS



RoHS Compliant 
 "Always was...always will be"





Protect printed circuit boards (PCB) with Fine-L-Kote™ conformal coatings. Coating can either be sprayed or brushed, or boards can be dipped directly into the conformal coating for a thick layer of protection.

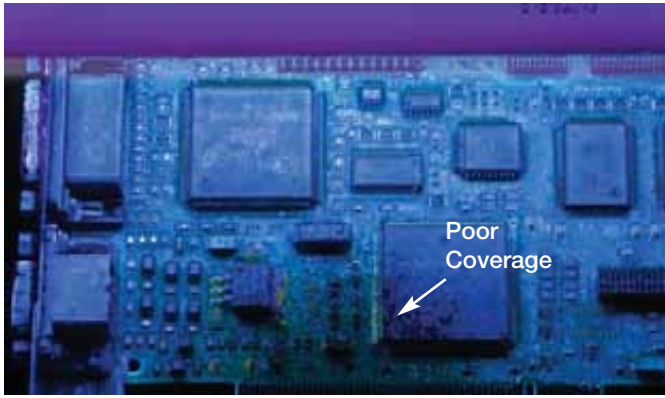
Techspray offers a variety of coating formulas to match field and engineering requirements. Specifications generally depend on the type of protection needed: e.g. thermal, moisture, and static resistance.

Fine-L-Kote coatings can be thinned to meet production requirements using Conformal Coating Remover (2105). Conformal Coating Remover (2510) is available for rework and repair, although coating is generally just burnt through in the soldering process for spot repairs.

All Techspray conformal coatings have the following advantages:

- **Designed to Protect PCB's**
- **Can Be Removed for Rework or Repair**
- **Contain Opti/Scan for UV Inspection**
- **Non-Ozone Depleting**

| CONFORMAL COATINGS | | Key: ● = Best ● = Acceptable ○ = Not applicable / Not recommended | | | | | | |
|--------------------|----------|---|--|--|---|----------------|--------------|----------------------|
| Product | Type | Thermal Resistant  | Moisture Resistant  | Chemical Resistant  | Static Resistant  | Full Cure Time | Dry To Touch | Sale Highlights |
| 2102 SR | Silicone | ● | ● | ● | ● | 72 Hours | 1 Hour | UL Recognized |
| 2106 HT | Silicone | ● | ● | ○ | ● | 24 hours | 45 Min. | High Temperature |
| 2103 AR | Acrylic | ● | ● | ○ | ○ | 24 hours | 15 Min. | Economical |
| 2104 UR | Urethane | ● | ● | ● | ○ | 24 hours | 15 Min. | For Harsh Conditions |



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 (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-830. UL File Number UL746C.

- Standard Viscosity — 4-10 CPS**
- 2102-12S** 12 oz aerosol
 - 2102-P** 1 pint in glass bottle
 - 2102-G** 1 gallon in metal pail
 - 2102-5G** 5 gallons in metal pail

- High Viscosity — 60-90 CPS**
- 2102-GHV** 1 gallon in metal pail



2102-12S

2106 FINE-L-KOTE HT High-Temperature Silicone Conformal Coating

High-Temperature Silicone Coating is designed to prevent thermal shock with 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 and IPC-CC-830.

- 2106-12S** 12 oz aerosol
- 2106-G** 1 gallon in metal pail



2106-12S

2103 FINE-L-KOTE AR Acrylic Conformal Coating

Acrylic Conformal Coating is an economical choice that provides a hard protective surface. Commonly used on aviation components.

- Thermal Resistance — to 392°F (200°C)
- Dielectric Strength — 640 volts/mil
- Rigid, Hard Coating

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

- 2103-12S** 12 oz aerosol
- 2103-G** 1 gallon in metal pail
- 2103-5G** 5 gallons in metal pail



2103-12S

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-830.

- 2104-12S** 12 oz aerosol
- 2104-G** 1 gallon in metal pail
- 2104-5G** 5 gallons in metal pail



2104-12S

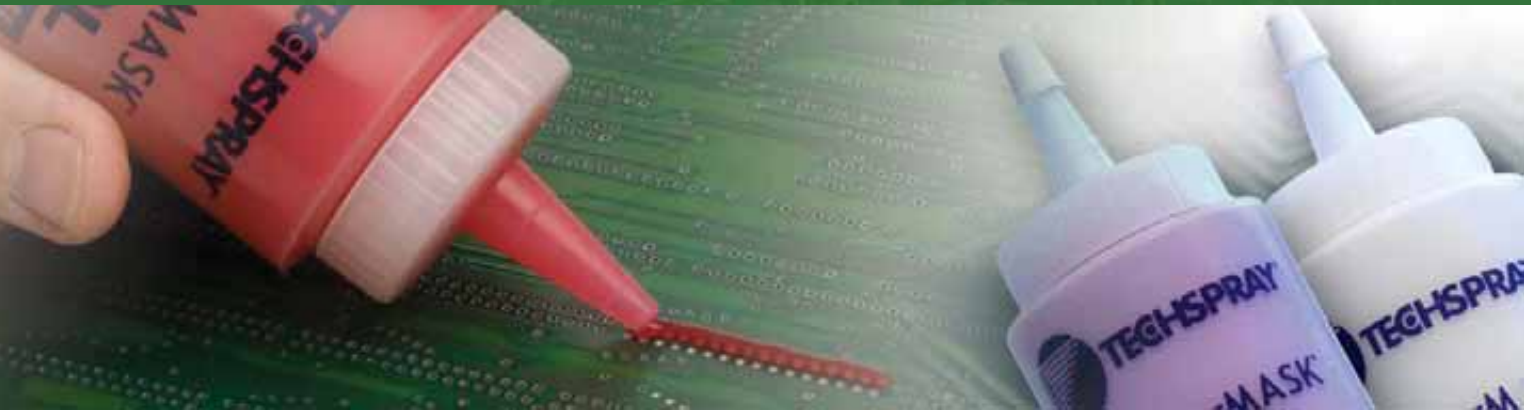
2105 CONFORMAL COATING THINNER

- 2105-G** 1 gallon in metal pail

2510 CONFORMAL COATING REMOVER

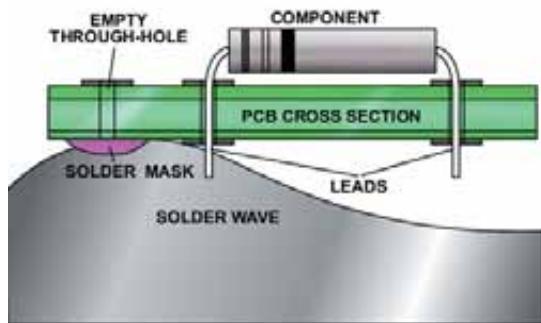
- 2510-N** 10ml Pen
- 2510-P** 1 pint in metal bottle

TEMPORARY SOLDER MASK



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.

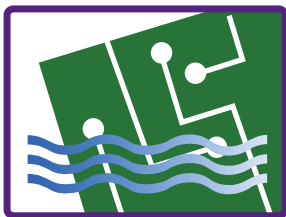
RoHS Compliant 
 "Always was...always will be"



All Techspray WonderMASK products have the following advantages:

- Can be cured in pre-heat
- Great for lead-free and tin/lead solders
- RoHS compliant

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 Odors.

2204-8SQ 8 oz. (237mL) squeeze bottle
2204-G 1 gal. (3.8L) in plastic pail



2204-8SQ

2205 • 2006 • 2207 **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

Silk and Template Screening Applications

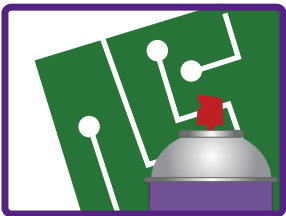
2207-G 1 gal. (3.8L) in plastic pail
2207-5G 5 gal. (18.9L) in plastic pail



2205-8SQ

| Product | Key: ● = Best ● = Acceptable ○ = Not applicable / Not recommended | | | | | | |
|----------------------|---|-----------------|------------------|----------------|-------------|-----------------------|-----------------|
| | Full Cure | Ready to Solder | No-Clean/Solvent | Water Washable | Filter Safe | Pneumatic Application | Stencil Printed |
| 2204 WonderMASK WSOL | ● | ○ | ○ | ● | ● | ○ | ○ |
| 2205 WonderMASK W | ○ | ○ | ○ | ● | ○ | ○ | ○ |
| 2206 WonderMASK W | ○ | ○ | ○ | ● | ○ | ○ | ○ |
| 2207 WonderMASK W | ○ | ○ | ○ | ● | ○ | ○ | ● |
| 2211 WonderMASK P | ○ | ○ | ● | ○ | ○ | ○ | ○ |
| 2220 WonderMASK P2 | ○ | ● | ● | ○ | ○ | ● | ○ |
| 2218 WonderMASK PL | ● | ○ | ● | ○ | ○ | ● | ○ |

PEELABLE MASKS



Used with solvent cleaning and no-clean processes.

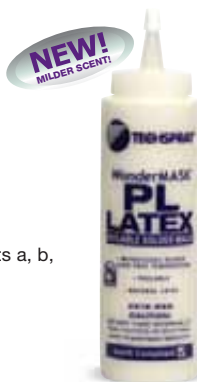
2218 FASTEST FULL CURE WONDERMASK PL

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
- 2218-54G** 50 gal. (189.4L) in plastic drum



2218-8SQ

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. (204.4L) in plastic drum



2211-8SQ

2220 FASTEST TO WAVE WONDERMASK P2

New synthetic latex peelable solder mask with the fastest drytime from application to soldering.

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

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

- 2220-8SQ** 8 oz. (237mL) squeeze bottle
- 2220-G** 1 gal. (3.8L) in plastic jug
- 2220-5G** 5 gal. (18.9L) in plastic pail
- 2220-54G** 50 gal. (189.4L) in plastic drum



2220-8SQ



WonderMASK P2 goes from masking to wave solder faster than any other mask! It can run through the wave after curing 20-30 minutes* and removes cleanly and easily.



* Times may vary

BOARD PRODUCTION AND REWORK

ESD PRODUCTS

TECHSPRAY'S VALUE IN ESD PROTECTED AREAS



Techspray 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 an electronic

circuit (see diagram). Cleaners, lotions, and coatings are an integral part of an ESD control program.

Electrostatic Discharge (ESD) occurs when the charges of two surfaces with a large electronic potential (difference) equalize instantaneously. The resulting current 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.

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

FLOOR CARE



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.

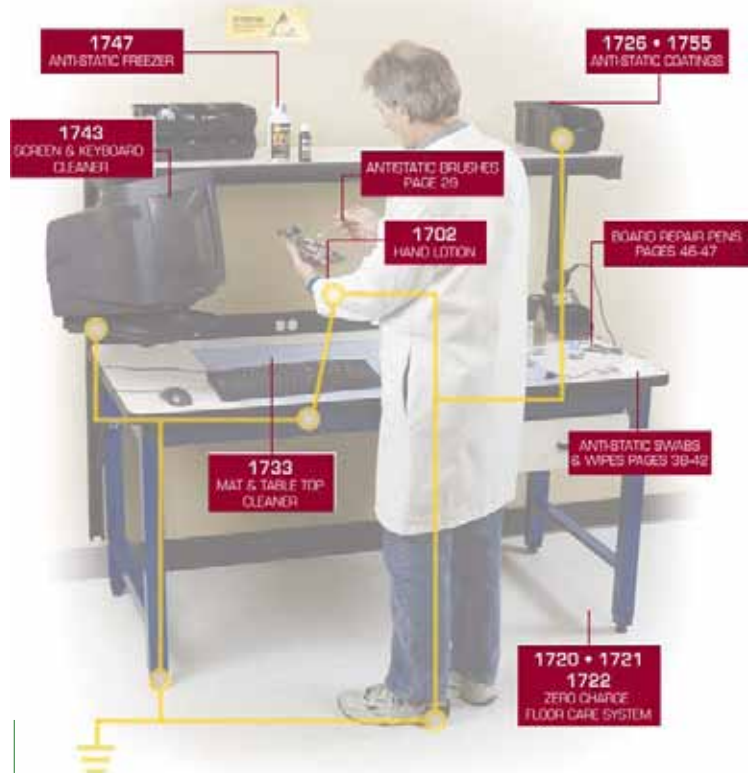
- Resistivity between 10^6 to 10^{10}
- High Gloss Polymer
- Slip Resistant
- Effective in Low Humidity
- Zinc Free

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

- 1720-G** 1 gallon in plastic jug (coats @1,200 ft²)
- 1720-5G** 5 gallons in plastic pail (coats @6,000 ft²)
- 1720-54G** 54 gallons in plastic drum (coats @64,800 ft²)



RoHS Compliant 
"Always was...always will be"



1721 ZERO CHARGE FLOOR STRIPPER

Alkaline, non-ammoniated floor stripper which removes built-up wax, synthetic floor finishes, and embedded soils. Intended for use to prepare a floor for Zero Charge ESD-Safe Floor Coating (1720).

- Removes Waxes
- Concentrated
- Non-Ammoniated
- No Phosphates
- Effective with Hard and Soft Water

Specifications: USDA Approved, NFPA 56A

- 1721-5G** 5 gallons in plastic pail (strips @25,000 ft²)

1722 ZERO CHARGE FLOOR CLEANER/NEUTRALIZER

Cleans scuffs, dirt, and other contamination without leaving insulative waxes and brighteners. Also neutralizes floor surface to prepare for Zero Charge ESD-Safe Floor Coating (1720).

- Does not leave insulative waxes or brighteners
- Non-Corrosive
- Neutral pH
- No Phosphates
- Leaves No Soap Scum

Specifications: USDA Approved, NFPA 56A

- 1722-G** 1 gallon in plastic jug (cleans @10,000 ft²)
- 1722-54G** 54 gallons in plastic drum (cleans @540,000 ft²)

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, 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 plastic bottle with finger pump

1702-G 1 gallon 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 in plastic bottle w/trigger sprayer

1733-G 1 gallon in plastic jug

1733-5G 5 gallons in plastic pail



1733-QT

1742



ETC™ GLASS & PLASTIC CLEANER

Water-based, non-streaking cleaner and removes heavy contamination from glass, plastic and metal enclosures. Leaves light, ESD-safe coating. Does not contain insulative additives.

- Leaves ESD-Safe Coating
- Non-Streaking
- Leaves No Insulative Film
- Non-Flammable
- No Ammonia
- Non-Corrosive

Specifications: General Dynamics HSDS 080516-01

1742-QT 1 quart in plastic bottle w/trigger sprayer



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.

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



1743-50PK

Specifications: Meets or exceeds

MIL-B-81705B, NFPA 56A

1743-50PK 50 pre-saturated wipes in packets

1743-DSP 48 pre-saturated wipes in pop-up tub

1743-QT 1 quart 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.

1626-QT 1 quart in plastic bottle with trigger sprayer



1755



LICRON™ PERMANENT ESD-SAFE COATING

Permanent static dissipative coating that adheres to metal, plastic, and most other surfaces. Ideal for changing standard bumpers, bins, tools, and surfaces to ESD-safe, saving expensive replacement cost. One can of Licron coats 200 ft².

- Permanently Static Dissipative
- Resistivity between 10⁶ to 10⁸ ohms
- Humidity Independent — Maintains Resistivity
- Superior Adhesion
- Translucent

Specifications: Meets or exceeds the EOS/ESD Association Test Methods ANSI/EOS/ESD-S11.11-1993 and ESD STM4.2-1998

1755-10S 10 oz aerosol (coats @200ft²)



REWORK/REPAIR PENS



EASY 3 STEP PROCESS FOR BOARD REPAIR

RoHS Compliant 
"Always was...always will be"

Step 1 Flux Remover Pen



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

Step 2 Conductive Pen



Repairs traces, links components, and makes smooth jumpers with simple pen strokes.

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.

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 100 pack of 11.5 ml pens

Also available:

1610-N 10ml IPA pen — see pg 5 for details



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



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



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 100 pack of 11.5 ml pens



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 in metal bottle



1850-0 SOLDER FAULT MARKER

Required electronic rework is conveniently marked with highly visible orange coloring combined with a black light indicator ensures quick recognition. Marking agent is quick drying and can be removed with warm water or IPA.

- Inert
- Quick Drying
- Easily Removed with Water or IPA
- Contains Opti/Scan™

1850-O 10 ml Pen



1613 LABEL & ADHESIVE REMOVER PEN

Quickly removes labels and adhesive residues from PCB's, components, packaging, and casings.

- Natural Solvent
- Safe on Most Plastics

1613-N 10 ml pen

Other packaging available — see page 10 for details.



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

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

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.



RoHS Compliant 
 "Always was...always will be"

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.

All Techspray wipes have the following advantages:

- Low Linting
- Double-Bagged to Avoid Contamination
- No Chemical Extractables

2350 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 Certified
- High Absorbency
- Very Low Particulate Count

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

2350-100 100 9"x9" c-fold wipes

**2359
 TECHCLEAN MAINTENANCE
 WIPE**



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

| TECHCLEAN WIPES | | Key: ● = Best ○ = Acceptable ○ = Not applicable / Not recommended | | | | |
|------------------------|-------------|---|------------------|---------------------|----------|--------|
| Product | Low Linting | Class 100 Cleanroom | Stencil Cleaning | General Maintenance | Reusable | Optics |
| 2350 Wiper | ● | ● | ● | ● | ○ | ○ |
| 2351 • 2352 Absorbwipe | ● | ○ | ○ | ○ | ○ | ● |
| 2354 Ultrawipe | ○ | ○ | ○ | ● | ○ | ○ |
| 2355 Purwipe | ● | ○ | ● | ○ | ● | ● |
| 2357 Twill Wipe | ○ | ○ | ○ | ○ | ● | ○ |
| 2358 SMT Wipe | ● | ○ | ● | ○ | ○ | ○ |
| 2359 Maintenance Wipe | ○ | ○ | ○ | ● | ○ | ○ |
| 2362 Anti-Static Wipe | ● | ○ | ○ | ○ | ● | ● |
| 2366 • 2367 Roll Wipes | ● | ○ | ● | ○ | ○ | ○ |

2351 • 2352
TEHCLEAN 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
2352-100 100 9"x9" (23cm x 23cm) flat wipes


2354
TEHCLEAN ULTRAWIPE™
Textured Scrubbing Wipe

Patterned, hydroentangled cellulose/polyester wipe is designed for aggressive scrubbing. Texture provides abrasive surface, but will not scratch most sensitive surfaces.

- Textured Surface Scrubs Without Scratching
- Tear Resistant

2354-100 100 12"x12" (30.5cm x 30.5cm) flat wipes


2355
TEHCLEAN 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.

- Very Low Particulate Count
- Tear Resistant

2355-100 100 9"x9" (23cm x 23cm) flat wipes


2357
TEHCLEAN 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


2358
TEHCLEAN 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.

- Fiber-Free Construction — No Linting
- Will Not Snag on Stencils
- Tear Resistant

2358-50 50 9"x9" (23cm x 23cm) flat wipes

Also available:

See page 5 and 6 for other great SMT cleaners including water, IPA, or Hydrocarbon based pre-saturated wipes.


2362
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
- ESD-Safe
- Very Low Particulate Count
- Tear Resistant

2361-150 150 9"x9" (23cm x 23cm) flat 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 Fabric
- Low Linting – Prevents Misprints
- Density 68 GSM

Fits DEK 265 and 288 SMT printers.

2366-DEK 39' (11.9M) L Roll x 20.3" (51.5cm) W, .79" (20mm) ID

Fits MPM AP23, AP24, AP25, and AP27 SMT printers.

2367-MPM 39' (11.9M) L Roll x 17.5" (44.5cm) W, .75" (19mm) ID





RoHS Compliant ✓
 "Always was...always will be"




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.

All swabs shown actual size


COTTON TECHSWABS

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 |
|  | | | | | | | |
| 2313 | 1/8" | Wrapped | 3 1/4" | Paper | 2313-30 | — | — |
|  | | | | | | | |







CHAMOIS TECHSWABS

Synthetic chamois tip offers soft, durable, and low linting tape-head cleaning. Heat bonding prevents adhesive residues on sensitive surfaces.

| Product | Tip Width | Attachment of Tip | Handle Length | Handle Material | Pliable Handle | 50 Pack Bag | 1000 Pack Bag |
|--|-----------|-------------------|---------------|-----------------|----------------|-------------|---------------|
| 2314 | 3/8" | Heat Sealed | 4 3/4" | Polypropylene | Yes | 2314-50 | — |
|  | | | | | | | |



FOAM TECHSWABS

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 |
|--|-----------|-------------------|---------------|-----------------|----------------|-------------|---------------|
| 2302 | 7/16" | Heat Sealed | 6" | Polypropylene | Yes | 2302-50 | 2302-1000 |
| <i>Cotton Bud Wrapped in Foam, Rigid Head</i> | | | | | | | |
|  | | | | | | | |
| 2303 | 1/4" | Heat Sealed | 6" | Polypropylene | Yes | 2303-50 | 2303-1000 |
| <i>Rigid Head</i> | | | | | | | |
|  | | | | | | | |
| 2306 | 1/2" | Heat Sealed | 5" | Polypropylene | Yes | 2306-50 | 2306-1000 |
| <i>Rigid Head</i> | | | | | | | |
|  | | | | | | | |
| 2307 | 3/16" | Heat Sealed | 4" | Polypropylene | Yes | 2307-50 | 2307-1000 |
| <i>Flexible Tip</i> | | | | | | | |
|  | | | | | | | |
| 2309 | 1/8" | Heat Sealed | 3" | Polypropylene | Yes | 2309-50 | 2309-1000 |
| <i>Flexible Tip</i> | | | | | | | |
|  | | | | | | | |
| 2311 | 1/8" | Heat Sealed | 2 5/8" | Polypropylene | Yes | — | 2311-1000 |
| <i>Flexible Tip</i> | | | | | | | |
|  | | | | | | | |

FIBER OPTIC TECHSWABS

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 |
|--|-----------|-------------------|---------------|-----------------|----------------|-------------|---------------|
| 2316 | 1.25mm | Heat Sealed | 6 1/4" | Polypropylene | Yes | 2316-50 | 2316-1000 |
| <i>Flexible Tip</i> | | | | | | | |
|  | | | | | | | |
| 2317 | 2.5mm | Heat Sealed | 6 1/4 " | Polypropylene | Yes | 2317-50 | 2317-1000 |
| <i>Flexible Tip</i> | | | | | | | |
|  | | | | | | | |

TECHCLEAN® BRUSHES



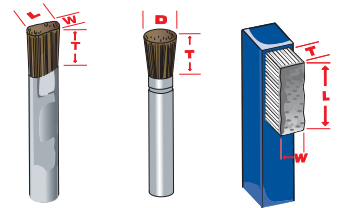
RoHS Compliant 
 "Always was...always will be"

Choose 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



| Product | L Bristle Length | W Bristle Width | T Bristle Trim | Bristle Material | Handle Material | Handle Length |
|---------------|------------------|-----------------|-------------------|-----------------------|-------------------|---------------|
| 2020-1 | 1 3/8" | 1/4" | 7/6" | 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" |
| 2061-1 | 1 3/16" | 3/8" | 7/16" | ESD-Safe | Aluminum | 6 7/16" |

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| CF3050 | Foamtip Swabs (50/bag) | 2303-50 | Tip Foam Swab | 27 | CW2200STP | CircuitWorks Conductive Pen | 2505-N | Trace Tech Conductive Pen | 22 |
| CF4050 | Foamtip Swabs (50/bag) | 2311-50 | Micro Foam Swab | 27 | CW3300G | CircuitWorks Overcoat Pen – Green | 2509-GN | Trace Tech Overcoat Pen – Green | 22 |
| CF50 | Foamtip Swabs (50/bag) | 2302-50 | Absorb-Tip Foam Swab | 27 | CW3500 | Conf Ctg Rmvr Pen | 2510-N | Conf Ctg Rmvr Pen | 23 |
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| CSP20 | ScreenPrep (25 twin packs) | 1743-50PK | Zero Charge Screen Wipes & Keyboard Clnr | 21 | CW9100 | CircuitWorks Flux Rmvr Pen | 2506-N | Trace Tech Flux Rmvr Pen | 22 |
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| ES192 | Flux-Off No Clean (1gal) 141b | 1638-G | G3 Flux Rmvr – Bulk | 2 | ES1696 | Flux-Off No-Clean Plus (12oz) | 1621-10S | Ecoline Flux Rmvr | 2 |
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| ES805 | Label Adhesive Rmvr (6oz) | 1613-6S | Label & Adhesive Rmvr | 10 | ES2400 | Tun-O-Wash (12.5 oz) | 1622-10S | Ecoline Contact Clnr | 11 |
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| ES895B | Flux-Off No Clean *New & Impr (6oz) | 1660-6S | No Clean Flux Rmvr | 2 | ES5511 | Electro-Wash NX *New & Impr (55G) | 1664-54G | Kleen ATMS | 9 |
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| ES1017 | Duster 10oz | 1671-10S | Duster | 1 | ES5535 | Flux-Off Rosin (55G) | 1621-54G | Ecoline Flux Rmvr | 2 |
| ES1020 | Ultrajet 10oz | 1697-10S | Vortex Duster | 1 | ES6100 | Electro-Wash VZ (12oz) | 1630-16S | G3 Blue Shower | 8 |
| ES1020R | Ultrajet Refills (10oz) | 1671-10RS | Duster/Refill | 1 | ES6200 | Flux-Off VZ (12oz) | 1631-16S | G3 Flux Rmvr | 2 |
| ES1021 | Electro-Wash MX (10oz) | 1620-10S | Ecoline Blue Shower | 8 | ES6300 | Pow-R-Wash VZ (12oz) | 1632-16S | G3 Contact Clnr | 11 |
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| ES1050 | Freez-It (10oz) | 1672-10S | Freezer | 1 | ES7200 | Flux-Off CZ (12oz) | 1686-18S | HFE Flux Rmvr | 3 |
| ES1051 | Freez-It Anti-Stat (10oz) | 1747-10S | Anti-Static Freezer | 1 | ES7300 | Pow-R-Wash CZ (12oz) | 1687-18S | HFE Contact Clnr | 12 |
| ES1052 | Freeze Spray (10oz) | 1672-10S | Freezer | 1 | SIP100P | StencilWorks IPA Stencil Wipes | 1610-100DSP | Isopropyl Alcohol Wipes | 5 |
| ES1210 | Electro-Wash PX (12.5oz) | 1620-10S | Ecoline Blue Shower | 8 | SRDK02 | DEK Roll Wipes | 2366-DEK | Tech Roll Ultra DEK Printers | 25 |
| ES1217 | Duster (8oz) | 1671-10S | Duster | 1 | SRMP01 | MPM Roll Wipes | 2367-MPM | Tech Roll Ultra MPM Printers | 25 |
| ES1530 | Flux-Off Wtr Sol (13.5oz) | 1621-10S | Ecoline Flux Rmvr | 2 | SVDK02 | DEK Roll Wipes | 2366-DEK | Tech Roll Ultra DEK Printers | 25 |
| ES1550 | Freez-It(15oz) | 1672-15S | Freezer | 1 | SVMP01 | MPM Roll Wipes | 2367-MPM | Tech Roll Ultra MPM Printers | 25 |
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| ES1602 | Pow-R-Wash NX (14.5oz) 141b | 1632-16S | G3 Contact Clnr | 11 | 5-25L | Chem-Wik Rosin 25' | 1802-25F | Pro Wick Yellow #2 Braid | 14 |
| ES1603 | Electro-Wash PR (10oz) | 1620-10S | Ecoline Blue Shower | 8 | 5-100L | Chem-Wik Rosin 100' | 1802-100F | Pro Wick Yellow #2 Braid | 14 |
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| ES1617 | Duster (12oz) | 1671-15S | Duster 15 Oz Fill | 1 | 10-50L | Chem-Wik Rosin 50' | 1804-50F | Pro Wick Blue #4 Braid | 14 |
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| OS-A-10AS | One-Step No-Clean A/S 10ft/0.025" | 1820-10F | No-Clean White #1 Braid – AS | 15 | | | | | | | | | | |

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| EBIPA100 | IPA/DI Wipes | 1608-100DSP | SMT Stencil Wipes | 6 | 19-636 | Jif-Action Clnr & Dgrsr (16oz) | 1630-16S | G3 Blue Shower | 8 |
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| EB41D2120 | DEK roll wipe 39 ft. | 2366-DEK | Tech Roll Ultra DEK Printers | 25 | 19-0725-0016 | GC Bath (16oz) | 1622-13S | Ecoline Contact Clnr | 11 |
| EB41W1212 | Stencil Wipes 12x12 | 2354-100 | Techclean Ultrawipe | 25 | 19-8508-0000 | Air Jet (8oz) | 1671-8S | Duster | 1 |
| EB41W99 | Stencil Wipe 9x9 | 2359-300 | Techclean Blue Wipe | 24 | 19-8475-0010 | Air Jet (10oz) | 1671-10S | Duster | 1 |
| K30Y14 | Flux Away – Flux Rmvr (14 oz) | 1621-10S | Ecoline Flux Rmvr | 2 | 19-8475-0000 | Air Jet (12oz) | 1671-15S | Duster 15 Oz Fill | 1 |
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| Q-A-5AS | Quick Braid A/S 5ft/0.025" | 1808-5F | Pro Wick White #1 Braid – AS | 14 | 19-8410-0000 | Freeze Mist (12oz) | 1672-15S | Freezer | 1 |
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| MCC-HYPG | HyperClean Flux Rmvr (9lbs) 141b | 1638-G | G3 Flux Rmvr – Bulk | 2 | MS-472N | Urethane Conf Ctg – Qt, G, 5G, 55G | 2104-G | Fine-L-Kote UR Conf Ctg | 17 |
| MCC-HYPP | HyperClean Flux Rmvr (45lbs) 141b | 1638-5G | G3 Flux Rmvr – Bulk | 2 | MS-475N | Acrylic Conf Ctg (16oz) | 2103-12S | Fine-L-Kote AR Conf Ctg | 17 |
| MCC-MAT | StatMat ESD Clnr (12oz) | 1733-PT | Zero Chrg Mat Clnr | 21 | | | | | |

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| MS-477N | Acrylic Conf Ctg – Qt, G, 5G, 55G | 2103-G | Fine-L-Kote AR Conf Ctg | 17 | RITE-OFF | | TECHSPRAY | PG. | |
| MS-725 | HD Solvent & Flux Rmvr (16oz) | 1631-16S | G3 Flux Rmvr | 2 | 5416 | Label Off (4oz) | 1613-6S | Label & Adhesive Rmvr | 10 |
| MS-725M | HD Solvent & Flux Rmvr (8oz) | 1631-10S | G3 Flux Rmvr | 2 | 6310 | Safety Solvent (21oz) | 1630-16S | G3 Blue Shower | 8 |
| MS-730 | Contact Re-Nu (16oz) | 1687-18S | HFE Contact Clnr | 11 | 6520 | Ox-Off (5oz) | 2112-6S | Rid-Ox Contact Protector | 12 |
| MS-750 | Vertrel MCA Cleaning Agent (16oz) | 1630-16S | G3 Blue Shower | 8 | 51021 | Air Blast (10oz) | 1671-10S | Duster | 1 |
| MS-930 | Safezone Contact Re-Nu (16oz) | 1632-16S | G3 Contact Clnr | 11 | 51022 | Arctic Air II (10oz) | 1672-10S | Freezer | 1 |
| MS-938/CO2 | Safezone Contact Re-Nu & Lube (16oz) | 2421-12S | G3 Kleen-It Lubricant | 13 | 51024 | Smart Duster (10oz) | 1671-15S | Duster 15 Oz Fill | 1 |
| MS-990/CO2 | Safezone Solvent & Flux Rmvr (16oz) | 1631-16S | G3 Flux Rmvr | 2 | 51083 | Contact Clean & Lube (16oz) | 2421-12S | G3 Kleen-It Lubricant | 13 |
| MS-992 | Safezone Solvent & Flux Rmvr – Qt, G, 5G, 55G | 1638-G | G3 Flux Rmvr – Bulk | 2 | 51212L | Isopropyl Alcohol (12oz) Liquid | 1610-P | Isopropyl Alcohol | 5 |
| RAWN | | | | | 51251 | C.R.T. Screen & Plastic Clnr (12oz) | 1743-6S | Zero Charge Screen & Keyboard Clnr | 21 |
| 10004 | Silicone Heat Sink (1oz syringe) | 1977-DP | Transistor Silicone Grease | 13 | 51292 | Versi-Clean HFE (12oz) | 1685-18S | HFE Clnr | 9 |
| 10006 | Re-Grip (6.5oz) | 1612-2SQ | Rubber Rejuvenator | 10 | 51637 | Flux Clean NR (16oz) Aerosol | 1631-16S | G3 Flux Rmvr | 2 |
| 10008 | Re-Grip (1oz) | 1612-2SQ | Rubber Rejuvenator | 10 | 51667 | Contact Clean (16oz) | 1632-16S | G3 Contact Clnr | 11 |
| 10130 | Dust-A-Way (10oz) | 1671-10S | Duster | 1 | 51689 | Generation 2000 – Electro-Clean | 1630-16S | G3 Blue Shower | 8 |
| 10210 | Budget Dust-A-Way (8oz) | 1673-10S | Economy Duster | 1 | 51851 | Plasti-Glass (18oz) | 1625-18S | Glass Clnr | 10 |
| 11015 | Fluxsol II (9oz) | 1621-10S | Ecoline Flux Rmvr | 2 | 52133 | Flux Clean (21 oz) | 1631-16S | G3 Flux Rmvr | 2 |
| 11017 | Fluxsol II (14oz) | 1621-10S | Ecoline Flux Rmvr | 2 | 52489 | Electro-Clean (24 oz) | 1630-16S | G3 Blue Shower | 8 |
| 11101 | Contact Clnr (12oz) | 1632-16S | G3 Contact Clnr | 11 | STONER | | TECHSPRAY | PG. | |
| 11109 | Flux Rmvr (12oz) | 1631-10S | G3 Flux Rmvr | 2 | 91164 | Invisible Glass (19 oz) | 1625-18S | Glass Clnr | 10 |
| 11118 | Universal Contact Clnr (9oz) | 1622-10S | Ecoline Contact Clnr | 11 | 93234 | Cut Clnr Dgrsr (12oz) | 1620-10S | Ecoline Blue Shower | 8 |
| 11170 | Circuit Wash (12oz) | 1685-18S | HFE Clnr | 9 | 94052 | HD Electro Klene (12oz) | 1630-16S | G3 Blue Shower | 8 |
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| 27150 | Anti-Static Glass & Plastic Clnr (14oz) | 1625-18S | Glass Clnr | 10 | 94142 | Freeze Spray (10oz) | 1672-10S | Freezer | 1 |
| 34011 | VpCl/Acrylic-based Conf Ctg (12oz) | 2103-12S | Fine-L-Kote AR Conf Ctg | 17 | 94151 | Gust Premium Air Duster (10oz.) | 1697-10S | Vortex Duster | 1 |
| 35010 | Super Glue (3 gm) | 2503-DP | Tech Hold Adhesive | 23 | 94153 | Gust Premium Air Duster (15oz.) | 1671-15S | Duster 15 Oz Fill | 1 |
| 35315 | Spray Adhesive (16oz) | 3500-11S | HD Adhesive | | 94201 | Gust Spray Anyway 360 Duster (8oz) | 1697-8S | Vortex 360 Duster | 1 |
| 62305 | Rawn Propyl (1pt) | 1610-P | Isopropyl Alcohol | 5 | 94202 | Gust Compact Size Easy Duster (8oz) | 1671-8S | Duster | 1 |
| 62306 | Rawn Propyl (1gal) | 1610-GS | Isopropyl Alcohol | 5 | 94203 | Gust Time Saving Easy Duster (12oz) | 1671-15S | Duster 15 Oz Fill | 1 |
| | | | | | 94213 | XENIT Clnr/Rmvr (10oz) | 1613-6S | Label & Adhesive Rmvr | 10 |

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| Boeing Aircraft (127713) | 1632 | 11 | Delco C00013781 | 1726 | 21 |
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| Celestica 9300-1731 | 1702-8FP | 21 | FORD TOX #142435 | 1671-10S | 1 |
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STANDARDS & SPECIFICATIONS

| SPECS | PART # | PG. | SPECS | PART # | PG. |
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| Bell Core Standards | 2111-N | 12 | MIL-STD-2000 Para 5.3.18 | Temporary Mask | 18-19 |
| Bell Labs KS 21343 | 1978 | 13 | parts a, b, & d | | |
| Boeing: O2 Tool & System | 1663 | 9 | NASA NHB 5300.4(3A-1) | 1801-1813 | 14 |
| Cleaning Spec. BAC 5402 | | | NASA NPC 200-4 | 1801-1813 | 14 |
| Boeing: Solvent Metal | 1663 | 9 | NASA SE-5-0073 Shuttle | 1663 | 9 |
| Cleaning Spec. BAC 5750 | | | NASA SP5002 | 1801-1813 | 14 |
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| MIL-I-46058C Type SR | 2102 | 17 | AES-C822281-2, 225T-C822281-3 | | |
| MIL-I-46058C Type SR | 2106 | 17 | USAF requirements | 2350 | 24 |
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OXYGEN SPECS

| TEST TYPE | TEST METHOD | PART # | PG. | TEST TYPE | TEST METHOD | PART # | PG. |
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| Autogenous Ignition | ASTM G72-82 | 1663 | 9 | Space Shuttle Spec. Fluid | | 1663 | 9 |
| LOX Impact | ASTM D2512 | 1663 | 9 | Procurement & Use Control | | | |
| Cleaning Applications | S064675 | 1663 | 9 | OSE-S-0073, Change #61 | | | |
| Gauge & Precision | | 1663 | 9 | Compressed Gas Assn. | ASTM G-121 | 1663 | 9 |
| Instrument Cleaning | EDTF-1R-95-0048 | | | | ASTM G-122 | | |
| Precision Cleaning & Verification | LO-MSD-1C | 1663 | 9 | | | | |



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