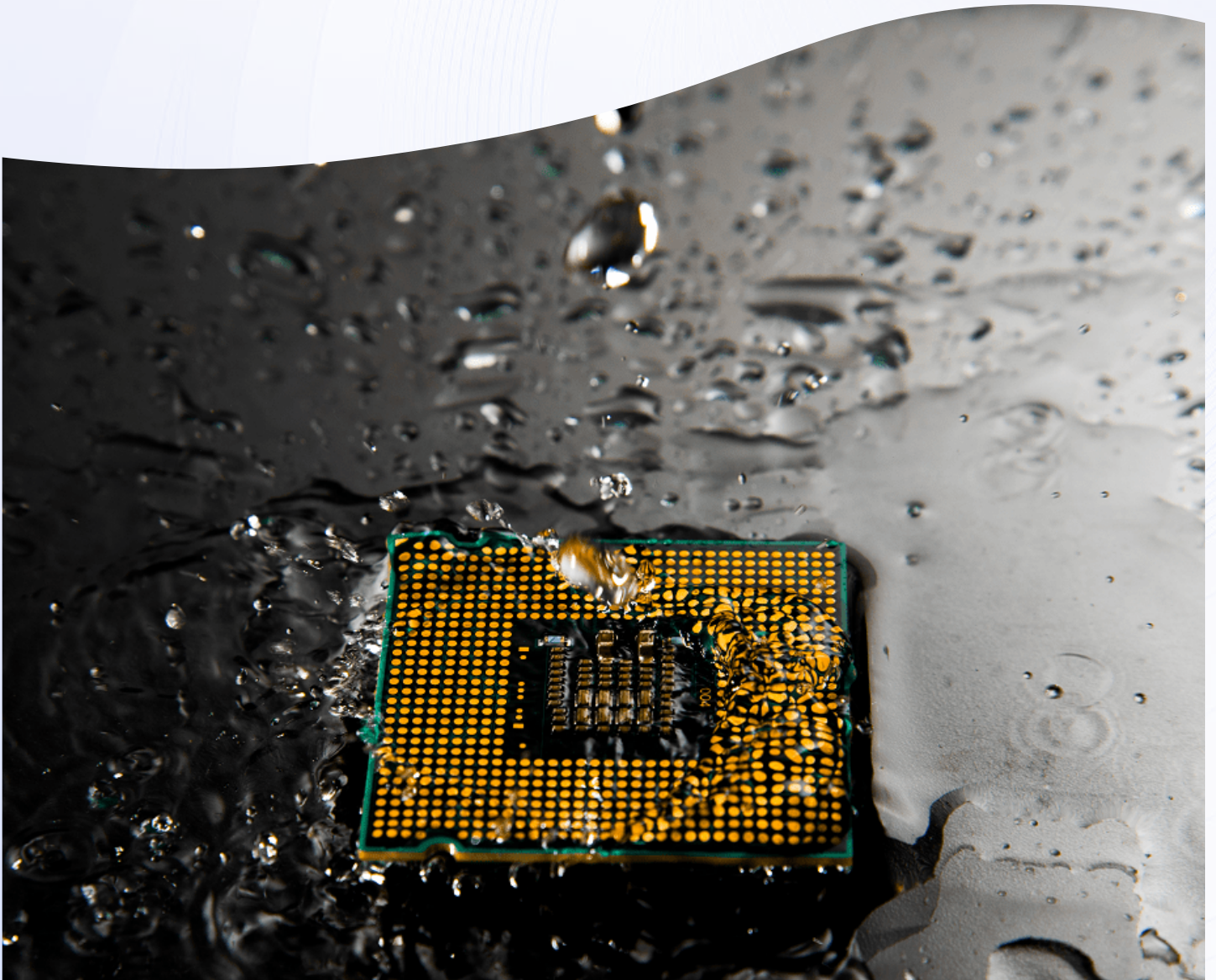




TOKI MATERIALS

SOLDERING, CLEANING AND CHEMICALS



MAINTENANCE & REPAIR

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. They are completely portable, ultra-pure, and free of moisture, oil and other contaminants.

- Moisture free
- Non-ozone depleting
- Zero residue
- VOC exempt
- Safe on plastics

Nonflammable Duster

Nonflammable, 100% HFC-134a duster

- 1671-10S** 10 oz. (283g) aerosol
- 1671-15S** 15 oz. (425g) aerosol
- CAN1671-10S** 10 oz. (283g) aerosol
Canada compliant packaging
- CAN1671-15S** 15 oz. (425g) aerosol
Canada compliant packaging



- Nonflammable
- Safest choice for energized equipment
- Velocity – 11.3 M/s

Economy Duster

Economical HFC-152a duster

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

- 1673-10S** 10 oz. (283g) aerosol



- Best value – 30% more volume
- Lower global warming potential – 10% of HFC-134a
- Velocity – 11.4 m/s

DUSTER SELECTION GUIDE	SPRAYING POWER	NON-FLAMMABLE	GLOBAL WARMING POTENTIAL (GWP)	USE ON LIVE CIRCUITS
1671 DUSTER	Good	Yes	1300	Yes
1673 ECONOMY DUSTER	Good	No	140	No

Alcohol Cleaners

99.8% IPA

- 1610-P** 1 Pint
- 1610-PT** 1 Pint with sprayer
- 1610-12S** 12 oz. (340g) aerosol spray can
- 1610-G** 1 Gallon
- 1610-5G** 5 Gallons
- 1610-54G** 54 Gallons

70% IPA

- 1608-P** 1 Pint
- 1608-G** 1 Gallon
- 1608-54G** 54 Gallons



Isopropyl Alcohol Wipes (70% / 99.8%)

Disposable Tubs

Low cost container can be reused, but is often discarded after use.



Refill Rolls

Presaturated refill rolls fit both flip-top and disposable tubs to save money and reduce trash.



Flip-Top Tubs

Reusable container with springloaded flip-top lid to prevent dry-out.



Individually Wrapped Wipes

One wipe per foil pouch avoids cross-contamination and is ideal for tool boxes and field service trucks.

Wipe size:
5.5" x 5.5" (140mm x 140mm).



Contact Cleaner



Contact Cleaner

Nonflammable, powerful contact cleaner

Clean oxidation, oil, and other contaminants from contacts, metal switches, relays, edge connectors, buss bars and circuit breakers.

1632-16S 16 oz. (454g) aerosol



- Nonflammable
- Powerful cleaner
- Rapid evaporation
- Non-ozone depleting
- Dielectric strength – 36.2 kV
- NSF registered K1, K2

Specifications:

Meets Boeing D6 17487, Rev P



Contact Cleaner

Powerful and economical electronic contact cleaner

Clean oxidation, oil, and other contaminants from contacts, metal switches, relays, edge connectors, buss bars, and circuit breakers.

1622-10S 10 oz. (284g) aerosol

1622-13S 13 oz. (369g) aerosol



- Powerful cleaner
- Ideal for sensitive plastics
- Low toxicity
- Non-ozone depleting

Flammable

Blue Shower Maintenance Cleaner



Blue Shower Maintenance Cleaner

Nonflammable, powerful cleaner

Clean oil and contaminants off of metal parts, printed circuit boards, barcode instruments, switch boxes, gear relays, and electronic motor controllers.

1630-16S 16 oz. (454g) aerosol

1638-G 1 gal. (3.8L) pail

1638-5G 5 gal. (19L) pail

1638-54G 54 gal. (205L) drum



- Nonflammable
- Powerful cleaner
- Rapid evaporation
- Non-ozone depleting
- Dielectric strength – 27.3 kV
- NSF registered K1, K2

Specifications:

Meets Boeing D6 17487, Rev P

Removes heavy duty contaminants such as rust



Blue Shower Maintenance Cleaner

Powerful and economical aerosol cleaner

Clean oil and contaminants off of metal parts, printed circuit boards, barcode instruments, switch boxes, gear boxes, and engines.

1620-10S 10 oz. (284g) aerosol



- Powerful cleaner
- Ideal for sensitive plastics
- Low toxicity
- Non-ozone depleting
- NSF registered K1, K2

Flammable

MAINTENANCE & REPAIR

Cleaning



Industrial Maintenance Cleaner

High power, fast evaporating maintenance cleaner

Blast away heavy oils and greases off of metal parts, gear boxes, and engines.

1635-20S 20 oz. (567g) aerosol



- All-in-one electronic maintenance and contact cleaner
- Rapid evaporation
- Non-ozone depleting
- Low toxicity compared to TCE, nPB and Perc
- Dielectric strength – 30.5 kV

All in one maintenance, contact cleaner and blue shower



Transit Equipment Degreaser

Nonflammable and strong single purpose transit degreaser

Strong removal ability of an oxidized hydraulic fluid, carbonized oils and fuels, lubricating oils and greases, and other organic residues. It is fast evaporating, quick penetrating, and ideal for cleaning heavily soiled parts.

2863-20S 20 oz (567g) aerosol



- Nonflammable
- Powerful, long-reaching spray to clean hard-to-reach parts
- Fast evaporation
- Zero residue
- Non-ozone depleting
- Does not contain n-propyl bromide, trichloroethylene, perchloroethylene or methylene chloride
- Dielectric breakdown of 28 kV per ASTM D877
- Patent 10920181



Maintenance Cleaner

Blasts away oil and contaminants off of contacts, printed circuit boards, barcode instruments, switch boxes, gear boxes, and electronic motor controllers. Grease and oil flow right off, reducing the time and materials needed to scrub off stubborn soils.

3400-20S 20 oz. (567g) aerosol

3400-G 1 gal. (3.8L) pail

3400-5G 5 gal. (18.9L) pail

3400-54G 54 gal. (204L) drum



- Nonflammable
- Much safer than most common industrial solvents — TCE, nPB, Perc and Methylene Chloride
- Powerful cleaner — Ideal for degreasing and contact cleaning
- Available in aerosol or bulk for vapor degreasing, ultrasonic and immersion cleaning
- Rapid evaporation
- Non-ozone depleting
- Cleaning applications: electronics, relays, switches and breakers, transformers, and electric motors and generators
- NSF registered K1, K2

PCBA & MAINTENANCE

Cleaning

PRECISION V

Flux Remover and Maintenance Cleaner

Nonflammable and powerful precision cleaner

Clean off flux residues, oil, and other contamination from electronics and other sensitive surfaces.

1651-16S	16 oz. (454g) aerosol
1651-5G	5 gal. (19L) pail
1651-54G	54 gal. (205L) drum



- Nonflammable
- Low VOC
- Safe on most plastics
- High precision, residue-free
- Rapid evaporation
- Non-ozone depleting
- Dielectric strength – 14 kV



Universal Cleaner

Nonflammable, powerful liquid cleaner

Engineered to remove oils, fluxes and other contamination from electronics using a manual soak cleaning process or ultrasonic equipment.

1638-G	1 gal. (3.8L) pail
1638-5G	5 gal (19L) pail
1638-54G	54 gal. (205L) drum



- Nonflammable
- Powerful cleaner
- Effective as maintenance cleaner and flux remover
- Rapid evaporation
- Non-ozone depleting
- Dielectric strength – 27.3 kv

E LINE

Flux Remover and Maintenance Cleaner

Powerful and economical flux remover

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

1621-10S	10 oz. (283g) aerosol
1621-10SB	10 oz. (283g) aerosol with brush attachment
1621-G	1 gal. (3.8L) can
1621-5G	5 gal (19L) pail
1621-54G	54 gal (205L) drum



- Powerful cleaner
- Proven effective for lead-free processes
- Ideal for sensitive plastics

Specifications:

GM H1013; Ford Tox #142431, USDA:
NSF registered K-2 aerosol and bulk.



PCBA & SMTA

Precision Cleaning



Flux Remover

Powerful, nonflammable and cost effective cleaner

Cleans flux residues and other contaminants in vapor cleaning and ultrasonic application. Easily removes residues from high temperature lead-free soldering operations, no-clean fluxes and all handling soils.

- 3401-G** 1 gal. (3.8L) pail
- 3401-5G** 5 gal. (18.9L) pail
- 3401-54G** 54 gal. (204L) drum



- Nonflammable
- Much safer than most common industrial solvents — TCE, nPB, Perc and Methylene Chloride
- Powerful cleaner - Effective on R, RMA and no-clean fluxes
- Available in bulk for vapor degreasing, ultrasonic and immersion cleaning
- Rapid evaporation
- Non-ozone depleting



No-Clean Flux Remover

Strong and fast-acting no-clean flux remover

Remove no-clean flux and white residues left by manufacturing, rework, or repair of printed circuit boards.

- 1634-12S** 12 oz. (340g) aerosol



- Nonflammable
- Ideal for no-clean fluxes
- Proven effective for lead-free processes
- Rapid evaporation
- Non-ozone depleting

Specifications:
Meets Boeing D6 17487, Rev P



Flux Remover

Strong and fast-acting flux remover

Remove flux residues and other contaminants left by manufacturing, rework, or repair of printed circuit boards.

- 1631-5S** 5 oz. (142g) aerosol with brush attachment
- 1631-16S** 16 oz. (454g) aerosol
- 1631-16SB** 16 oz. (454g) aerosol with brush attachment



- Nonflammable
- Powerful cleaner
- Proven effective for lead-free processes
- All-in-one cleaner and defluxer
- Rapid evaporation
- Non-ozone depleting

Specifications:
Meets Boeing D6 17487, Rev P

SMTA Tool And Equipment Cleaning

Water-Based Defluxers

Eco-dFluxer SMT200

Superior metals compatibility, preventing oxidation and leaving shiny solder joints. Eco-friendly formula reduces shipping and disposal costs. Effective with reduced concentration even on the toughest no-clean, R, RMA, OA and new halide-free fluxes.

1520-G 1 gal. (3.8L) bottle
1520-54G 54 gal. (205L) drum



Defoamer DF1

Defoaming Agent for Inline and Batch Cleaners

Reduce foaming as cleaner becomes loaded to extend bath life. Add directly to sump at 1 to 4 fl oz. (30-120ml) per 100 gallons (379L). Dilute in spray bottle to 15% with DI water to eliminate foaming issue on the spot.

- Effective at all processing temperatures
- Extends bath life
- Silicone and particulate free
- Nonflammable

1555-P 1 pt. (473mL) container



Stencil Cleaners

Eco-Stencil UM

Manual and Under Stencil Cleaner

- Quickly clean paste or uncured adhesive
- Safe for stencils, tools, misprinted boards
- Nonflammable
- Low VOC, zero GWP

Applications:

- Manual stencil tool, work surface, and squeegee cleaning
- Automatic underside wipe stencil cleaning
- Batch ultrasonic cleaning
- Removes unsoldered leaded and lead-free solder pastes
- Cleans off uncured adhesives

Specification:

Compliant with Speedline / ITW EAE compatibility criteria for Accelta, Momentum and MPM 125 printers.

1570-100DSP 100 count pre-saturated wipes, 6"x8" (15cm x 20cm)

1570-QT 1qt. (0.95L) with trigger sprayer

Eco-Stencil RF

Rinse-Free Batch Stencil Cleaner

- Nonflammable
- Rinse-free
- Drop in replacement for IPA
- Effective at ambient temperature
- Low VOC, zero GWP
- Highly concentrated - 20% dilution

1571-G 1 gal. (3.8L) bottle

Rinse-Free



SMT Equipment Maintenance

Eco-Oven

Reflow Oven, Wave Finger and Pallet Cleaner

- Quickly clean flux residue from oven and wave fingers
- Safe on warm ovens
- Nonflammable
- Low VOC, zero GWP

1573-QT 1 qt. (0.95L) with trigger sprayer



Applications:

- Removal of baked-on flux residues from SMT oven and wave equipment
- Maintenance cleaning for heat exchange systems (NOTE: rinse thoroughly from aluminum and copper)
- Finger cleaning in wave solder equipment
- Remove accumulated flux from wave solder pallets



PCBA & SMTA

Silicone Conformal Coating

FINE-L-KOTE™ SR

Silicone coating ideal for moisture and vibration protection

Standard Viscosity — 4-10 CPS

Coverage (1 mil dry film):

1 aerosol can: 16 ft² (1.5 M²)

1 gal. liquid: 224 ft² (20.8 M²)

2102-12S 12 oz. (355ml) aerosol

2102-P 1 pt. (473mL) can

2102-G 1 gal. (3.8L) can

High Viscosity — 60-90 CPS

2102-GHV 1 gal. (3.8L) pail



- 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 IPC-CC-830B. UL94 V-0 rated. Passes the laboratory tests of MIL-I-46058C. However, it is not qualified on QPL-46058.

FINE-L-KOTE™ HT

Silicone coating engineered for superior thermal and moisture resistance

Coverage (1 mil dry film):

1 aerosol can: 20 ft² (1.9 M²)

1 gal. liquid: 880 ft² (81.8 M²)

2106-12S 12 oz. (355ml) aerosol

2106-G 1 gal. (3.8L) can



- 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 IPC-CC-830B. UL94 V-0 rated. Passes the laboratory tests of MIL-I-46058C. However, it is not qualified on QPL-46058.

FINE-L-KOTE™ LED2

Silicone conformal coatings designed to coat over LEDs

Coat directly over LEDs without the time and expense of masking. Optical clarity prevents light from diffusing, scattering, or changing wavelength. Fine-L-Kote LED provides maximum protection from extreme temperatures on the flexible and rigid PCBs found in LED displays.

Coverage (1 mil dry film):

1 gal liquid: 723 ft² (67.2 m²)

2125-P 1 pt. / 473 mL can

2125-G 1 gal / 3.7 L liquid

2125-5G 5 gal / 18.5 L liquid



- Fully transparent - will not block or change light intensity or wavelength
- Protects against adverse environments
- Flexibility prevents cracking
- Resists moisture, salt, fungus and corrosive vapors from severe environments
- Withstands high heat from PCB and operating environment
- Thick film build
- High gloss – repels dirt and dust
- Low VOC

FINE-L-KOTE™ SRV

Low VOC coating that's ideal for corrosion, moisture, thermal and vibration protection

Fine-L-Kote SRV – Standard Viscosity

2127-P 1 pint / 0.47L liquid

2127-G 1 gallon / 3.8L liquid

2127-5G 5 gallon / 18.9L liquid

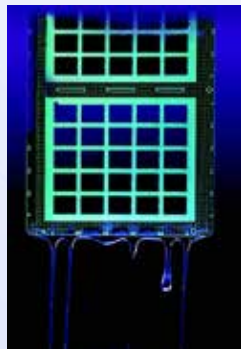
2127-54G 54 gallon / 204L liquid

Fine-L-Kote SRV 950 – High Viscosity

2127-G950 1 gallon / 3.8L liquid

2127-5G950 5 gallon / 18.9L liquid

2127-54G950 54 gallon / 204L liquid



- Low VOC
- High gloss, superior transparency
- Thermal resistance - 392°F (200°C)
- Dielectric strength - 720 volts/mil
- Moisture and chemically resistant
- Vibration resistant and flexible
- Low toxicity — HAPs free
- Meets IPC-CC-830B
- UL 94 V-0 flammability rating
- Meets MIL-STD 810G and MS941-04 salt spray tests

Specifications:

Meets or exceeds IPC-CC-830B. UL94 V-0 rated. Passes the laboratory tests of MIL-I-46058C. However, it is not qualified on QPL-46058.

PCBA & SMTA

Acrylic Conformal Coating

FINE-L-KOTE™ AR Acrylic Conformal Coating

Coverage (1 mil dry film):

1 aerosol can: 12 ft² (1.1 M²)

2103-12S 12 oz. (355ml) aerosol



- Fast and easy rework and repair
- Rigid, hard coating
- UV indicator for black light QC inspection

TURBO-COAT™

Acrylic Conformal Coating

Coverage (1 mil dry film):

1 aerosol can: 14 ft² (1.3 M²)

1 gal. liquid: 272 ft² (25.3 M²)

2108-12S 12 oz. (355ml) aerosol

2108-P 1 pt. (473mL) can

2108-G 1 gal. (3.8L) can

2108-5G 5 gal. (19L) pail



- Fastest cure – dry to touch in 3 minutes!
- Low toxicity
- No Toluene, Xylene or MEK
- UL94 V-0 rated – nonflammable final coat
- Fast and easy rework and repair
- UV indicator for black light QC inspection

Specifications:

Meets or exceeds IPC-CC-830B. UL94 V-0 rated. Passes the laboratory tests of MIL-I-46058C. However, it is not qualified on QPL-46058.

TURBO-COAT HV™

Acrylic Conformal Coating

Coverage (1 mil dry film):

1 gal. liquid: 391 ft² (36.3 M²)

2109-P 1 pt. (473mL) can

2109-G 1 gal. (3.8L) can

2109-5G 5 gal. (19L) pail



- Designed for selective sprayers
- Low toxicity
- No Toluene, Xylene or MEK
- Dry to touch in under 10 minutes!
- UL94 V-0 – nonflammable final coat

Specifications:

Meets or exceeds IPC-CC-830B. UL94 V-0 rated. Passes the laboratory tests of MIL-I-46058C. However, it is not qualified on QPL-46058.

Turbo-Coat Thinner

Thinner ideally matched to Turbo-Coat coatings to reduce viscosity for ideal process parameters.

User-friendly and safe.

2110-P 1 pt. (473mL) can



- Turbo-Coat, Turbo-Coat HV and Turbo-Coat Thinner are Hazardous Air Pollutants Free (HAP-Free)
- No Toluene, Xylene or MEK

Urethane Conformal Coating

FINE-L-KOTE™ UR Urethane Conformal Coating

Coverage (1 mil dry film):

1 aerosol can: 10 ft² (0.9 M²)

1 gal. liquid: 320 ft² (29.7 M²)

2104-12S 12 oz. (355ml) aerosol

2104-G 1 gal. (3.8L) can

2104-5G 5 gal. (19L) pail



- Thermal resistance – to 248°F (120°C)
- Dielectric strength – 380 volts/mil
- Moisture resistant
- Chemically resistant
- Abrasion resistant
- UL94 V-0 – nonflammable final coat

Specifications:

Meets or exceeds IPC-CC-830B. UL94 V-0 rated. Passes the laboratory tests of MIL-I-46058C. However, it is not qualified on QPL-46058.

PCBA & SMTA

Conformal Coating Remover

FINE-L-KOTE™

Conformal Coating Remover XT

Safer Conformal Coating Stripper

- Strong cleaner for dissolving most common types of coatings
- Removes silicones, acrylics, urethanes and one component epoxies
- Safer solvent – no MEK, xylene and other highly toxic solvents
- Non-corrosive
- Non-ozone depleting

2130-G 1 gal. (3.8L) can
2130-54G 54 gal. (204L) drum



Conformal Coating Remover

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

- Fast stripping action
- Non-corrosive
- Rapid evaporation

2510-N 10 ml pen
2510-P 1 pt. (473mL) can



High Efficiency



ESD Coating and Cleaner

LICRON CRYSTAL

Permanent ESD Coating

- Rugged static dissipative coating
- Surface resistivity of 10⁶ To 10⁹ 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. (226g) aerosol
(coats up to 200ft²)
1756-G 1 gal. (3.8L) jug
1756-54G 54 gal. (204L) drum



Zero Charge Mat and Tabletop Cleaner

Safe, effective cleaner for ESD mats

- Rejuvenates ESD-safe mats
- Will not dry out surfaces
- Leaves no insulative film
- Nonflammable
- No ammonia
- Non-corrosive

1733-QT 1 qt. (.95L) bottle
with trigger sprayer
1733-G 1 gal. (3.8L) bottle



Heat Sink / Transistor Grease

Silicone Heat Sink Compound

Heat sink compound for electrical applications

1977-DP 4 oz. (118ml) squeeze tube



- Thermal conductivity – 0.70 W/m-K
- Functional temperature range: -67°F to 401°F (-55°C to 205°C)
- Easy application
- Will not harden and crack

Silicone-Free Heat Sink Compound

Heat-sink for electronics to avoid silicone contamination

1978-DP 4 oz. (118ml) squeeze tube
1978-1 1 lb. (454g) jar



- Thermal conductivity – 0.92 W/m-K
- Functional temperature range: -40°F to 392°F (-40°C to 200°C)
- Avoid solder defects due to silicone contamination
- Easy application
- Will not separate
- Will not harden and crack

Temporary Solder Mask (Washable)

WonderMASK WSOL

Water-washable mask, safe on ion beds and filters

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

- 100% Water-soluble
- Safe on ion beds and filters in closed-loop cleaning systems
- Non-corrosive
- Low odor

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

2204-G 1 gal. (3.8L) bottle

WonderMASK W

Nonflammable, water-washable

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

Note: do not use in closed-loop wash systems.

- Water washable
- Non-corrosive
- Low odor
- Nonflammable

Hand Applications:

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

2205-G 1 gal. (3.8L) bottle

Robotic and Pneumatic Applications:

2206-G 1 gal. (3.8L) bottle

Specifications:

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

Temporary Solder Mask (Peelable)

WonderMASK PX

Natural latex peelable solder mask with fastest cure time.

Natural latex temporary solder mask that is specially formulated to cure in half the time of other masks. WonderMASK PX cures over its entire surface area, including where it adheres to the PCB. This allows it to be peeled quickly and easily when other masks are still sticky at the bottom. Even the thickest bead of mask cures completely.

- Fastest full cure
- Easily peeled
- Highest strength to avoid breakage
- Nonflammable

2222-8SQ 8 fl. oz. (237ml)

2222-G 1 gal. (3.8L) bottle

Specifications:

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

WonderMASK P

Non-ammoniated, low odor peelable mask

Techspray's original ammonia-free synthetic latex peelable solder mask.

- Easily peeled
- Low odor
- Cure indicator – darkens as it cures
- Compatible with gold and copper leads
- Non-corrosive
- Nonflammable

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

2211-G 1 gal. (3.8L) bottle

2211-5G 5 gal. (19L) pail

2211-54G 54 gal. (205L) drum

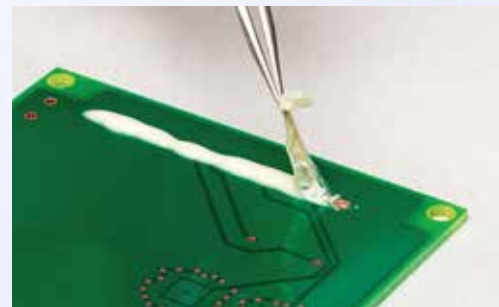
Specifications:

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

Ford Tox #039772.



WonderMASK PX peels after 15 min.



Typical mask after 15 min.



PCB REWORK & REPAIR

Freeze Sprays

Freeze sprays blast fast evaporating liquid that super-chills isolated areas. It is used as a troubleshooting aid for intermittently faulting capacitors, resistors, semiconductors, and other defective components. They also increase visibility of cold solder joints, cracks in printed circuit boards and oxidized junctions.

Freeze Spray

Pure HFC-134a Freeze Spray

- Chills down to -60°F (-51°C)
- Safe for energized equipment

1672-10S 10 oz. (283g) aerosol

1672-15S 15 oz. (425g) aerosol



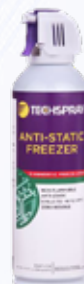
- Nonflammable
- Safe on plastics
- Zero residue
- Moisture free
- Non-ozone depleting
- VOC exempt

Anti-Static Freeze Spray

ESD-Safe Diagnostic Freeze Spray

Diagnostic freeze spray for static sensitive assemblies. Contains additive that avoids static build-up, critical when working with ESD sensitive components.

1747-10S 10 oz. (283g) aerosol



- Avoids static build-up
- Prevents latent failures
- Chills down to -60°F (-51°C)
- Nonflammable
- No frost buildup

TRACETECH Pens

Conductive Pen

Silver ink pen for repairing electronic traces

2505-N Single-pack of 4.9 ml pen



- Repairs traces
- Makes smooth jumpers

Flux Remover Pen

Spot cleaning for PCB rework and repair

2506-N Single-pack of 11.5 ml pen



- Safe on plastics
- Rapid evaporation
- Pen tip allows controlled application

No-Clean Flux Dispensing Pen

No-clean flux applicator pen for PCB rework and repair

2507-N Single-pack of 11.5 ml pen

2507-N100 144 pack of 11.5 ml pens (12 boxes of 12)



- Excellent wetting
- Works with lead and lead-free solder
- Boosts wetting for lead-free solder
- No cleaning necessary
- Halide free

Overcoat Pen

Resist repair pen for PCB rework and repair

2509-GN Single-pack of 5 ml pen



- Repairs solder resist
- Green to match resist
- Prevents shorting and arcing

Conformal Coating Remover Pen

Spot coating remover in applicator pen for PCB rework and repair

2510-N 11 ml pen

2510-P 1 pt. (0.47L) can



- Fast stripping action
- Non-corrosive
- Rapid evaporation

Desoldering Braid

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.

Specifications: Meets or Exceeds MIL-F-14256; 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

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

*NOT ESD SAFE



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'
1820	#1 White	1820-5F	1820-10F	-	1820-50F	1814-100F*
1821	#2 Yellow	1821-5F	1821-10F	1821-25F	1821-50F	1815-100F*
1822	#3 Green	1822-5F	1822-10F	-	1822-50F	1822-100F
1823	#4 Blue	1823-5F	1823-10F	1823-25F	-	1823-100F
1824	#5 Brown	1824-5F	-	1824-25F	-	-
1825	#6 Red	1825-5F	-	-	-	-

*NOT ESD SAFE



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



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

AVIATION & AUTOMOTIVE

Vapor Degreaser



VC-1200 Vapor Degreaser Parts Cleaner

Powerful, high precision solvent

- Nonflammable
- Ozone-safe replacement for AK-225
- Effective on cutting fluids, heavy greases and oils

1654-5G 5 gal. (19L) pail
1654-54G 54 gal. (205L) drum



VC-1500 Vapor Degreaser Flux Remover

Powerful, high precision defluxer

- Nonflammable
- Ozone-safe replacement for AK-225
- Effective on rosin, RMA, no-clean and lead-free fluxes

1655-G 1 gal. (3.8L) pail
1655-5G 5 gal. (19L) pail
1655-54G 54 gal. (205L) drum



VC-1600 Vapor Degreaser Solvent

Powerful solvent for degreasing and defluxing

- Nonflammable
- Ozone-safe replacement for AK-225
- Effective on fluxes, heavy greases, oils and waxy corrosion inhibitors
- Safe on most plastics

1656-G 1 gal. (3.8L) pail
1656-5G 5 gal. (19L) pail
1656-54G 54 gal. (205L) drum



ME-1500 Vapor Degreaser Solvent

Powerful, high precision solvent for degreasing and defluxing

- Nonflammable
- Ozone-safe replacement for AK-225
- Effective on fluxes, heavy greases, oils and waxy corrosion inhibitors
- Safe on most plastics
- Low global warming potential (GWP)

1686-G 1 gal. (3.8L) pail
1686-54G 54 gal. (205L) drum



Most Plastic Safe

AE-1000 Vapor Degreaser Solvent

Specialty solvent for removing fluorinated contamination

- Nonflammable
- Neat 1-component solvent
- Ozone-safe replacement for neat AK-225
- High purity for critical applications
- Effective on fluoropolymers and fluorinated oils and greases
- Safe even on sensitive plastics
- Low VOC

1680-G 1 gal. (3.8L) pail
1680-5G 5 gal. (19L) pail
1680-54G 54 gal. (205L) drum



Most Plastic Safe

AE-1400 Vapor Degreaser Solvent

Specialty solvent for removing fluorinated contamination

- Nonflammable
- Alcohol added for extra solvency
- Ozone-safe replacement for neat AK-225
- High purity for critical applications
- Effective on fluoropolymers and fluorinated oils and greases
- Safe even on sensitive plastics
- Low VOC

1681-G 1 gal. (3.8L) pail
1681-5G 5 gal. (19L) pail
1681-54G 54 gal. (205L) drum

Vapor Degreaser



High Efficiency

Maintenance Cleaner

Blasts away oil and contaminants off of contacts, printed circuit boards, barcode instruments, switch boxes, gear boxes, and electronic motor controllers. Grease and oil flow right off, reducing the time and materials needed to scrub off stubborn soils.

3400-20S 20 oz. (567g) aerosol

3400-G 1 gal. (3.8L) pail

3400-5G 5 gal. (18.9L) pail

3400-54G 54 gal. (204L) drum



- Nonflammable
- Much safer than most common industrial solvents: TCE, nPB, Perc and Methylene Chloride
- Powerful cleaner — Ideal for degreasing and contact cleaning
- Available in aerosol or bulk for vapor degreasing, ultrasonic and immersion cleaning
- Rapid evaporation
- Non-ozone depleting
- Cleaning applications: electronics, relays, switches, breakers, transformers, electric motors and generators
- NSF registered K1, K2



High Efficiency

Flux Remover

Powerful, nonflammable and cost effective cleaner

Cleans away flux residues and other contaminants in vapor cleaning and ultrasonic application. Easily removes residues from high temperature lead free soldering operations, no-clean fluxes and all handling soils.

3401-G 1 gal. (3.8L) pail

3401-5G 5 gal. (18.9L) pail

3401-54G 54 gal. (204L) drum



- Nonflammable
- Much safer than most common industrial solvents: TCE, nPB, Perc and Methylene Chloride
- Powerful cleaner - Effective on R, RMA and no-clean fluxes
- Available in bulk for vapor degreasing, ultrasonic and immersion cleaning
- Rapid evaporation
- Non-ozone depleting



AVIATION & AUTOMOTIVE

Aerospace Approved Chemicals and Wiping Materials

Isopropyl Alcohol (IPA)

For removing dust, debris, light oils, and fingerprints for paint surface prep. Reusable canister reduces waste, solvent usage and VOC emissions while maintaining consistent saturation.

2805-100-69-C 50% IPA, 6"x9" (15.2cm x 22.9cm)

Rayon wipe, 100 wipes/tub, 12 tubs/cs

2805-100-69-R REFILL

50% IPA, 6"x9" (15.2cm x 22.9cm)

Rayon wipe, 100 wipes/roll, 12 rolls/cs

2810-100-69-C 99% IPA, 6"x9" (15.2cm x 22.9cm)

Rayon wipe, 100 wipes/tub, 12 tubs/cs

2810-100-69-R REFILL

99% IPA, 6"x9" (15.2cm x 22.9cm)

Rayon wipe, 100 wipes/roll, 12 rolls/cs



Acetone

For removing dust, debris, oils, greases, adhesives, wet epoxy, and paint overspray in composite and paint surface prep. Very fast evaporating, powerful cleaner, and VOC exempt.

2811-100-69-C 100% Acetone, 6"x9" (15.2cm x 22.9cm)

Rayon wipe, 100 wipes/tub, 12 tubs/cs

2811-100-69-R REFILL

100% Acetone, 6"x9" (15.2cm x 22.9cm)

Rayon wipe, 100 wipes/roll, 12 rolls/cs



Methyl Ethyl Ketone (MEK)

For removing dust, debris, and uncured resins during surface prep and clean-up of composite, metal bond and edge seal applications. Effective on removing PR-1422, 1435 and similar tank sealants.

2812-100-69-C 100% MEK, 6"x9" (15.2cm x 22.9cm)

Rayon wipe, 100 wipes/tub, 12 tubs/cs

2812-100-69-R REFILL

100% MEK, 6"x9" (15.2cm x 22.9cm)

Rayon wipe, 100 wipes/roll, 12 rolls/cs



Methyl Propyl Ketone (MPK)

For removing dust, debris, uncured epoxy in composite surface prep, and inks in printing clean-up.

2813-100-69-C 100% MPK, 6"x9" (15.2cm x 22.9cm)

Rayon wipe, 100 wipes/tub, 12 tubs/cs

2813-100-69-R REFILL

100% MPK, 6"x9" (15.2cm x 22.9cm)

Rayon wipe, 100 wipes/roll, 12 rolls/cs



Specialised Degreasers for Aviation and Aircraft Parts



Aviation Degreaser

Exceptional nonflammable cleaner for aircraft parts degreasing

Specially engineered aviation degreaser featuring powerful removal of hydraulic fluid, fuel oils, lubricating oils and greases, and other organic residues. PWR-4 Aviation Degreaser features a powerful, long reaching spray to clean hard-to-reach parts from as far as 10 feet.

2851-20S 20 oz (567g) aerosol



- Nonflammable
- Fast evaporation
- Zero residue
- Non-ozone depleting
- Does not contain n-propyl bromide
- Dielectric breakdown of 13.7 kV
- CARB compliant

Specifications:

Meets Airbus UK ABR9-0140 General Purpose Cleaning Solvent, FedEx CPN 0311737, Boeing D6 17487, Rev T

Aviation 2000 Degreaser

High pressure cleaner to quickly flush out grease and other soils

Quickly blast away encrusted dirt, carbonized oils, grease and Skydrol from aircraft engine housings, parts and avionic components. Can be used as an electronic contact and plug cleaner for non-energized equipment. Excellent wetting action lifts and removes soils from the tightest areas.

2859-13S 13 oz. (369g) aerosol



- Trigger allows for greater control of spray, providing a throttling action for better controlled cleaning
- Moderate evaporation for soak-in time
- Zero residue
- Low toxicity - does not contain n-propyl bromide
- Does not contain CFCs, HCFCs or chlorinated solvents
- Meets EU F-gas requirements
- 360° valve sprays upside-down
- Extension tube included for pin-point accuracy

Specifications:

Boeing BSS7432, Douglas CSD No.1



Aviation Maintenance Cleaner

Nonflammable aviation degreaser for cleaning sensitive surfaces

Removes dirt, oil, carbon, and oxide residues from airframe, power plant and flight control systems. Plastic safe, nonflammable cleaner formulated for cleaning painted aviation components and assemblies, and minimizing repair downtime. This precision cleaner is fast drying and has good solvency for oil, handling soils, dirt, and light residues.

2870-19S 19 oz. (539g) aerosol



- Ideal for aircraft surfaces exposed to hydraulic fluids and contaminants
- Nonflammable
- Safe on most commercial resins, plastics, urethanes, and synthetic gaskets
- Frost-free
- Rapid evaporation
- Zero residue
- Low toxicity - does not contain n-propyl bromide
- Meets EU F-gas requirements
- VOC-free (per EPA) - low GWP
- Dielectric withstand voltage of 41K
- Extension tube included for pin-point accuracy

Specifications:

NASA/TP-2015-218207, SAE ARP1176

CLEANING TOOLS

TechSwabs

Cotton TechSwabs

Tightly wrapped, pre-cleaned cotton ensures the least amount of extractable contaminants. The most economical choice for high volume usage.

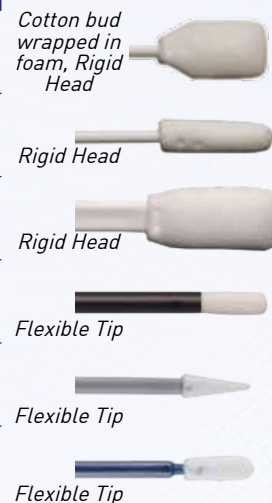
	TIP WIDTH	ATTACHMENT OF TIP	HANDLE LENGTH	HANDLE MATERIAL	30 PACK BAG	100 PACK BAG	1000 PACK BAG
2300	0.1875" (4.8mm)	Wrapped	6" (15cm)	Wood	-	2300-100	2300-1000
2301	0.1875" (4.8mm)	Wrapped	6" (15cm)	Wood	-	2301-100	2301-1000
2313	0.125" (3.2mm)	Wrapped	3.25" (8.3cm)	Paper	2313-30PK	-	-



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.

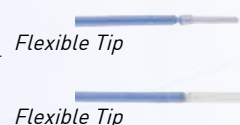
	TIP WIDTH	ATTACHMENT OF TIP	HANDLE LENGTH	HANDLE MATERIAL	50 PACK BAG	1000 PACK BAG
2302	0.44" (11.2mm)	Heat-Sealed	6" (15cm)	Poly-propylene	2302-50	2302-1000
2303	0.19" (4.8mm)	Heat-Sealed	6" (15cm)	Poly-propylene	2303-50	2303-1000
2306	0.5" (13mm)	Heat-Sealed	5" (13cm)	Poly-propylene	2306-50	2306-1000
2307	0.19" (4.8mm)	Heat-Sealed	4" (10cm)	Poly-propylene	2307-50	2307-1000
2309	0.125" (3.2mm)	Heat-Sealed	3" (7.6cm)	Poly-propylene	-	2309-1000
2311	0.125" (3.2mm)	Heat-Sealed	2.625" (6.7cm)	Poly-propylene	-	2311-1000



Fiber Optic TechSwabs

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. Tips are heat bonded, so no contaminating adhesives have been used.

	TIP WIDTH	ATTACHMENT OF TIP	HANDLE LENGTH	HANDLE MATERIAL	50 PACK BAG	1000 PACK BAG
2316	0.05" (1.25mm)	Heat-Sealed	6.25" (16cm)	Poly-propylene	2316-50	2316-1000
2317	0.1" (2.5mm)	Heat-Sealed	6.25" (16cm)	Poly-propylene	2317-50	2317-1000



CLEANING TOOLS

Brushes

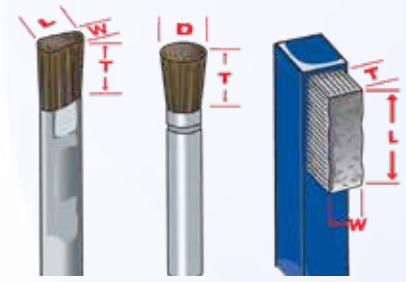
Natural:

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.



Brush Dimensions:

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

General Cleaning Brushes

A wide variety of sizes and bristle material for general maintenance cleaning.

All handles are made of strong, static neutral wood.

	BRISTLE LENGTH (L)	BRISTLE WIDTH (W)	BRISTLE TRIM (T)	BRISTLE MATERIAL	HANDLE MATERIAL	HANDLE LENGTH
2020-1	1.375" (35mm)	0.25" (6.4mm)	0.44" (11mm)	Horse Hair	Wood	7.75" (19.7cm)
2021-1	1.375" (35mm)	0.25" (6.4mm)	0.44" (11mm)	Hog Bristle	Wood	7.75" (19.7cm)
2022	2.125" (54mm)	0.875" (22mm)	0.75" (19mm)	Hog Bristle	Wood	8.375" (21.3cm)
2025-1	1.375" (35mm)	0.25" (6.4mm)	0.44" (11mm)	Brass .003" (0.08mm)	Wood	7.75" (19.7cm)
2027-1	0.875" (22mm)	0.375" (9.5mm)	0.5" (12.7mm)	Hog Bristle	Wood	4.94" (12.5cm)



Static Sensitive Brushes

Ideal for cleaning static sensitive electronics or components.

Anodized aluminum falls within the static dissipative range (105 to 1012 ohms/square per ASTM D-257).

Steel bristles are conductive, and horse hair is dissipative when saturated with solvent.

	BRISTLE LENGTH (L)	BRISTLE WIDTH (W)	BRISTLE TRIM (T)	BRISTLE MATERIAL	HANDLE MATERIAL	HANDLE LENGTH
2040-1	1.19" (30.2mm)	0.125" (3.2mm)	0.44" (11.2mm)	Horse Hair	Anodized Aluminium	6.44" (16.4cm)
2042-1	1.19" (30.2mm)	0.375" (9.5mm)	0.44" (11.2mm)	Horse Hair	Anodized Aluminium	6.44" (16.4cm)
2043-1	1.19" (30.2mm)	0.375" (9.5mm)	0.44" (11.2mm)	Stainless Steel .003" (0.08mm)	Anodized Aluminium	6.44" (16.4cm)



Technical Brushes

Small, precision brushes for technical cleaning and coating or adhesive application.

Double-sided brushes include tapered end for tight areas.

	BRISTLE LENGTH (L)	BRISTLE WIDTH (W)	BRISTLE TRIM (T)	BRISTLE MATERIAL	HANDLE MATERIAL	HANDLE LENGTH
2030-1	0.125" (3.2mm)	0.0625" (1.6mm)	0.125" (3.2mm)	Goat Hair	Stainless Steel	3.5" (8.9cm)
2031-1	0.25" (6.4mm)	0.19" (4.8mm)	A - 0.25" (6.4mm) B - 0.5" (13mm)	Horse Hair	Stainless Steel	4.5" (11.4cm)
2032-1	0.5" (13mm)	0.375" (9.5mm)	A - 0.19" (4.8mm) B - 0.25" (6.4mm)	Horse Hair	Zinc Plated Steel	4.5" (11.4cm)
2033-1	0.44" (11.2mm)	0.375" (9.5mm)	0.75" (19mm)	Horse Hair	Zinc Plated Steel	4.5" (11.4cm)



MANUAL & ROBOTIC SOLDERING

Solder Wire

CW219

- No clean
- Manual soldering
- Fast wetting
- Minimal smoke
- For SnPb and Pb-free
- Flux type: ROM1
- Shelf life:
Low Pb and Pb-free 10 years / High Pb 2 years

CW807

- No clean, halogen free
- Manual soldering
- Minimal smoke
- For SnPb and Pb-free
- Flux type: ROL0
- Shelf life:
Low Pb and Pb-free 3 years / High Pb 1 year

CW301

- Water soluble
- Clean by warm DI water
- Manual and robotic soldering
- Fast and excellent wetting
- For SnPb and Pb-free
- Flux type: ORH1
- Shelf life: 3 years

CW305

- Water soluble
- Clean by warm DI water
- Manual and robotic soldering
- Flux more easily removed
- For SnPb and Pb-free
- Flux type: ORH0
- Shelf life: Pb-free 3 years, Pb 2 year

CW232

- No clean
- Robotic soldering
- Very fast wetting
- Low splatter
- For SnPb and Pb-free
- Flux type: ROM1
- Shelf life:
Low Pb and Pb-free 3 years / High Pb 1 year

Core 230RC

- No clean
- Robotic soldering
- Ultra low splatter
- For SnPb and Pb-free
- Flux type: REL1
- Shelf life:
Low Pb and Pb-free 3 years / High Pb 1 year

CW818

- No clean, halogen free
- Manual and Robotic soldering
- Fast wetting
- Reduced splatter
- For SnPb and Pb-free
- Flux type: ROL0
- Shelf life:
Low Pb and Pb-free 10 years / High Pb 2 years



Diameter (mm)	Spool Weight (g)	63 / 67 Length (m)	SAC305 Length (m)
0.15 ± 0.05	113	653	745
0.20 ± 0.05	113	416	476
0.25 ± 0.05	113	294	334
0.38 ± 0.05	113	131	148
0.51 ± 0.05	454	294	334
0.65 ± 0.05	454	188	214
0.81 ± 0.05	454	115	131
1.02 ± 0.05	454	74	84
1.57 ± 0.05	454	31	35

WAVE SOLDERING

Wave Flux

Available in: **G, 5G, 54G**

WF9940

- No clean
- Alcohol base
- More heat-stable than rosin-free flux
- More active than most other no-clean flux
- Solid content: 3.63%
- Flux type: ROL0
- Shelf life: 2 years

WF9945

- No clean
- Alcohol base
- Light-colored
- Low-residue
- Better performance on large and thick PCB
- Solid content: 5.77%
- Flux type: ROL0
- Shelf life: 2 years

WF9958

- No clean
- Alcohol base
- Light-colored
- Low-residue
- Rosin-free flux
- Heat stability for thick or difficult-to-solder
- Solid content 4.99%
- Flux type: ORM0
- Shelf life: 2 years

WF1081

- Water wash
- Solvent base
- Excellent solderability
- Wide process window
- Solid content 28.44%
- Flux type: ORH0
- Shelf life: 2 years

REWORK & SOLDERING FLUX

Liquid Flux

NC771

- Alcohol base
- No clean
- Selective soldering applicable
- Available in: Pen (10g), Pint (473ml)
- For SnPb and Pb free
- Flux type: ORLO
- Shelf life: 12 months

FP500

- Alcohol base
- No clean
- Only available in pen packaging (10g)
- For SnPb and Pb free
- Flux type: ROL0
- Shelf Life: 12 months

FP300

- Alcohol base
- Water soluble
- Clean by warm DI water
- Only available in pen packaging (10g)
- For SnPb and Pb free
- Flux type: ORM0
- Shelf life: 6 months



Paste Flux

TACFlux 089HF

- No clean
- Reflow, high power rework
- Available in: Syringe (10cc, 30cc) / Jar (100g)
- For SnPb and Pb free
- Flux type: ROL0
- Shelf life: 12 months

TACFlux 108HF

- No clean
- Reflow, high power rework
- Available in: Syringe (10cc, 30cc) / Jar (100g)
- For SnPb and Pb free
- Flux type: ROM0
- Solvent mixed with flux to improve thermal stability and aggressiveness
- Shelf life: 6 months

TACFlux 020B-RC

- No clean
- Reflow, Best for Rework
- Available in: Syringe (10cc, 30cc) / Jar (100g)
- For SnPb and Pb free
- Flux type: ROL0
- Shelf life: 6 months



SMT & SOLDERING FLUX

Solder Paste

	Flux Type	Shelf Life (months)	Printing	Tombstone Resistance	Bridging Resistance	HIP Resistance	Voiding
No-Clean	Indium 8.9HF	12	Best	Good	Good	Good	<18%
	Indium 8.9	6	Good	Best	Best	Best	<18%
	Indium 10.1HF	6	Good	Good	Good	Good	Ultra Low
	Indium 10.1	12	Best	Good	Good	Good	Low
Water Soluble	Indium 3.2	4	Best	Good	Good	Good	<18%
	Indium 3.2HFA	3	Good	Best	Best	Best	<18%
	Indium 6.4R	6	Best	Best	Best	Best	Low
	Indium 6.6HF	6	Good	Best	Best	Best	Low

Indium 8.9HF

- Rosin base
- No clean, Halogen-free
- For SAC, SnPb and Pb-free
- Flux type: ROL0
- Shelf life: 12 months
- **Printing efficiency**

Indium 8.9

- Rosin base
- No clean
- For SAC, SnPb and Pb-free
- Flux type: ROL1
- Shelf life: 6 months
- **HIP Resistance**

Indium 10.1

- Rosin base
- No clean
- For SAC, SnPb and Pb-free
- Flux type: ROL1
- Shelf Life: 12 months
- **Low Voiding <12%**

Indium 3.2HFA

- Organic acid
- Water wash, Halogen-free
- For SAC, SnPb and Pb-free
- Flux type: ORH1
- Shelf life: 6 months
- **High Tombstone Resistance**

Indium 6.4R

- Organic acid
- Water wash
- For SAC, SnPb and Pb-free
- Flux type: ORH1
- Shelf life: 6 months
- **Low Voiding**

Indium 6.6HF

- Organic acid
- Water wash, Halogen-free
- For SAC, SnPb and Pb-free
- Flux type: ORH0
- Shelf life: 6 months
- **Low Voiding**

Indium 12.8HF

- Rosin
- No Clean, Halogen-free
- For SAC, SnSb
- Flux type: ROL0
- Shelf life: 6 months
- **For Micro LED**

NC SMQ 92J

- Rosin
- No clean, Halogen-free
- For SnPb
- Flux type: ROL0
- Shelf life: 6 months
- **Designed for SnPb**

Flux #3

- No clean
- Shelf life : 6 months
- **For Aluminum**



	Syringe / Cartridge Brands	Volume (cc)	Paste Capacity (g)	Flux Capacity (g)	Piston
1	SEMCO	10	25	10	A & B
2	SEMCO	30	100	25	A & B
3	EFD	3	10	3	C, D, E
4	EFD	5	15	5	C, D, E
5	EFD	10	25	10	C, D, E
6	EFD	30	100	25	C, D, E
7	Fishman Taper Tips	5	15	5	E
8	Fishman Taper Tips	30	100	25	E
9	Techcon	30	100	25	E
10	Iwashita	30	100	25	E
11	SEMCO	6	700	-	-
12	SEMCO	12	1300	-	-
13	PYLE	6	700	-	-
14	PYLE	12	1300	-	-
15	DEK Proflow	-	800	-	-

PCBA & SMTA

Water-Based Flux Remover for Oven and Parts

Reflow Cleaner 94

- For reflow and wave soldering oven
- For cured or uncured flux and other residues
- PH11
- High compatibility
- Low odor
- Packaging: 1, 5, 10, 25 litres

Reflow Cleaner 88

- For reflow and wave soldering oven
- For cured or uncured flux and other residues
- PH12
- High efficiency, Low compatibility
- Higher odor
- Packaging: 1, 5, 10, 25 litres

Decotron® T332

- For reflow and wave soldering oven's parts
- For cured or uncured flux and other residues
- PH11
- For ultrasonic and air bubble cleaning
- Rinse with DI water, dry with hot air
- Packaging: 25 litres

Decotron® T300SA

- For reflow and wave soldering oven's parts
- For cured or uncured flux and other residues
- PH10
- For spray in air and air bubble cleaning
- Rinse with DI water, dry with hot air
- Packaging: 25 litres

Decotron® 250

- For squeegees, stencils and misprinted PCB
- For uncured flux and other residues
- PH7
- For spray in air and air bubble cleaning
- Rinse with DI water, dry with hot air
- Packaging: 25 litres

Decotron® 239

- For squeegees, stencils and misprinted PCB
- For uncured flux, dust, grease and adhesive
- Safe for aluminium and plastic
- PH7
- For spray in air, air bubble cleaning, and ultrasonic cleaning
- Dry with hot air
- Packaging: 25 litres

Decotron® CP381 and 409

- For misprinted PCB Only
- Best cleaning efficiency
- For uncured flux
- PH11
- For spray in air
- Rinse with DI water, dry with hot air
- Packaging: 25 litres

Water-Based Coating Remover

Decotron® EFD1

- Removes PU, silicon and acrylic coating
- For cured and uncured coating
- PH7
- For spray in air, air bubble cleaning and ultrasonic cleaning
- Rinse with DI water, dry with hot air
- Packaging: 25 litres



PCBA & SMTA



Solvent-Based Flux Remover for PCB

Proton® 29

- Stencil cleaner
- For uncured flux
- PH7
- High compatibility
- High performance
- Packaging: 5, 25 litres



Flux Remover 4

- PCB cleaner
- For cured and uncured flux
- Spray cans and bottle
- High compatibility
- High performance
- Packaging: 400ml, 5 & 25 litres

Solvent-Based Coating Remover

Proton® 69

- Removes acrylic and uncured epoxy
- For cured and uncured coating
- PH7
- High compatibility
- High performance
- Safe for Aluminium and Plastic
- Spray in air, air bubble cleaning and ultrasonic cleaning
- Packaging: 5, 25 litres

Proton® 707

- Removes acrylic and silicon
- For cured and uncured coating
- PH7
- High compatibility
- High performance
- Safe for Aluminium and Plastic
- Spray in air, air bubble cleaning and ultrasonic cleaning
- Packaging: 5, 25 litres

Proton® 540

- Removes acrylic and PU
- For cured and uncured coating
- PH7
- High compatibility
- High performance
- Safe for Aluminium and Plastic
- Spray in air, air bubble cleaning and ultrasonic cleaning
- Packaging: 5, 25 litres



PCBA & SMTA

Green Wipe

GW - 5100

- Polyester wipe
- Lint-free
- Cleanroom 1000
- Made with 40% recycled plastic
- Unique DiamondKnit™ Technology
- Better resistance against snagging
- Suitable for stencil cleaning
- ESD-safe options available

Size:

- Large: 30.5cm x 30.5cm
- Medium: 22.5cm x 22.5cm
- ESD Medium: 22.5cm x 22.5cm



GW - 5200

- Purity hydro entangled polyester wipe,
- Lint-free
- Cleanroom 1000
- Use with all types of cleaning chemicals and solvents
- USFDA Approved - Suitable for food contact surfaces
- Soft and highly absorbent

Size:

- 25cm x 25cm



PCBA & SMTA

Green Wipe

GW - 1109

- Polyester wipe
- Lint-free
- Cleanroom 1000
- Picks up light grease, oils and dusts
- Manufactured without chemical binders
- Does not dissolve or leech chemicals from its material
- Food Safety Guaranteed
- U.S. FDA and EU Regulations (EC) 1935/2004
- High absorbency
- Free of heavy metals and ESD-safe

Size:

- Large: 30.5cm x 30.5cm
- Medium: 22.5cm x 22.5cm
- Small: 10cm x 10cm



IPW - 8000

- 100% Polyester wipe with 70% Alcohol
- Cleanroom 1000
- OptiDri™ Technology
- Optimised controlled release of liquids
- Stencil, squeegees, uncured solder paste and flux cleaning
- Safe for most plastics and metals

Size:

- 15cm x 21cm





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