



RE: IPA Replacements for PCB Assembly & Repair

Isopropyl alcohol (IPA) based products might be in short supply for the coming weeks or months because of the COVID-19 (Novel Coronavirus) pandemic. Even with the fear of contamination and quarantines, manufacturers are still trying to keep the goods flowing and the US economy afloat.

Remember that Techspray offers effective alternatives to IPA for flux removal, stencil cleaning, and industrial degreasing.

These products offer a wealth of advantages over IPA and are in stock and ready to ship.

The following are online resources about IPA replacements:

- **IPA alternatives web page** - <https://www.techspray.com/isopropyl-alcohol-ipa-alternatives>
- **IPA alternatives blog** - <https://www.techspray.com/isopropyl-alcohol-ipa-replacements-for-electronic-assembly-and-repair>

Please let us know if you have any questions or concerns in this trying and confusing time.



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



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

Compliant with Boeing D6 17487, Rev T



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 & contact cleaner
- Rapid evaporation
- Non-ozone depleting
- Low toxicity compared to TCE, nPB & Perc
- Dielectric strength – 30.5 kV



Universal Cleaner

Nonflammable, powerful liquid cleaner

Engineered to remove oils, fluxes and other contamination 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



1638-G

1638-5G

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



Flux Remover & 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



Eco-Shine™ Glass & Surface Cleaner

Eco-friendly, nonflammable, streak-free glass cleaner

Cleans glass, stainless steel, chrome, mirrors, tile, plastic, ceramic and enamel and leaves a streak-free finish.

1505-QT 1 qt. (0.95L) w/ trigger sprayer

1505-G 1 gal. (3.8L) jug



1505-QT

- Streak-free
- Nonflammable
- Non-ammoniated – safe on sensitive surfaces
- Low VOC, no GWP
- Non-ozone depleting
- NSF registered K1, K2



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



Flux Remover & 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 w/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.



Solvent Defluxers



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 & Methylene Chloride
- Powerful cleaner - Effective on R, RMA & no-clean fluxes
- Available in bulk for vapor degreasing, ultrasonic and immersion cleaning
- Rapid evaporation
- Non-ozone depleting



Flux Remover

Strong and fast-acting flux remover

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

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



- Nonflammable
- Powerful cleaner
- Proven effective for lead-free processes
- All-in-one cleaner and defluxer
- 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 manufacture, rework, or repair of printed circuit boards.

1634-12S	12 oz. (340g) aerosol
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- Nonflammable
- Ideal for no-clean fluxes
- Proven effective for lead-free processes
- Rapid evaporation
- Non-ozone depleting



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



Water-Based Defluxers

Eco-dFluxer

Water-based Inline & Batch Flux Removers

Eco-dFluxer cleaners are water-based, environmentally friendly and designed to work in both inline and batch cleaning equipment. They are optimal combinations of solvents and saponifiers that lower surface tension for penetration under low stand-offs, and powerful cleaning action to remove all flux residues.

Effective on a wide variety of solders and fluxes: lead, lead-free, aqueous, RMA, no-clean, and new halide-free fluxes. High compatibility with common PCB metals and plastics. Eco-dFluxer cleaners are highly filterable with long bath life.

High performance cleaning gives you brilliant solder joints and allows you to increase dilution, increase line speeds, reduce waste water, decrease cost per board, and most importantly... eliminate field failures due to ionic contamination!

- High performance cleaning
- Nonflammable
- Low VOC, zero GWP
- Also used for pallet cleaning in batch systems

Eco-dFluxer SMT100

Powerful defluxer, allowing you to optimize your cleaning process. Reduce concentration and increase line speed to maximize your profit. Effective on no-clean, R, RMA and OA fluxes.

1550-G	1 gal. (3.8L) bottle
1550-5G	5 gal. (19L) container
1550-54G	54 gal. (205L) drum

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
1520-5G	5 gal. (19L) container
1520-54G	54 gal. (205L) drum



Eco-dFluxer SMT300

Powerful defluxer but safe on sensitive metals, preventing oxidation and leaving shiny solder joints. Safe, eco-friendly formula. Effective on no-clean, R, RMA, OA fluxes and new halide-free fluxes.

1530-G	1 gal. (3.8L) bottle
1530-5G	5 gal. (19L) container
1530-54G	54 gal. (205L) drum

Stencil Cleaners

Eco-Stencil UM

Manual & 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 & lead-free solder pastes
- Cleans off uncured adhesives

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

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

1570-G 1 gal. (3.8L) bottle

1570-54G 54 gal. (205L) drum



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

Eco-Stencil RF

Rinse-Free Batch Stencil Cleaner

1571-G 1 gal. (3.8L) bottle

1571-5G 5 gal. (19L) container



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

SMT Equipment Maintenance

Eco-Oven

Reflow Oven, Wave Finger & Pallet Cleaner

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

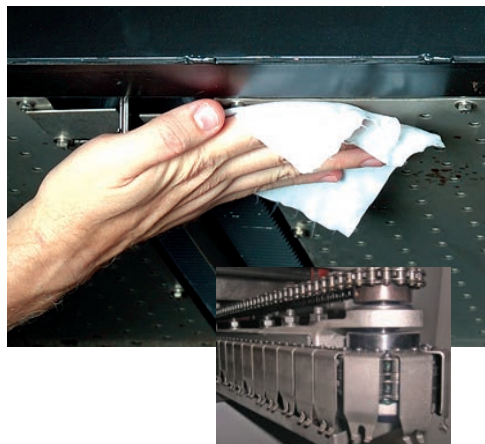
Applications:

- 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

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

1573-G 1 gal. (3.8L) bottle

1573-5G 5 gal. (19L) container



Wave finger cleaning