



# Precision-V Universal Cleaner

1651

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

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

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

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

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



## Non-flammable, powerful & high precision cleaner

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

- Powerful cleaner
- Non-flammable
- Non-ozone depleting
- Safe on electronics
- Rapid evaporation
- Zero residue
- Safe on most plastics
- EPA SNAP approved
- Low VOC
- Dielectric strength – 14 kv

## Product Packaging

1651-16S  
Precision-V Universal Cleaner  
16 oz  
12 units/case



1651-P  
Precision-V Universal Cleaner  
1 pint  
12 units/case



1651-G  
Precision-V Universal Cleaner  
1 gal  
1 units/case



1651-5G  
Precision-V Universal Cleaner  
50 lbs  
1 units/case





**TECHSPRAY®**

# Technical Data Sheet



## Instructions

**Maintenance cleaning:** Disconnect equipment from power source. Make sure opening of sprayhead is pointing toward surface to be cleaned. Hold can 6-8 inches away. Direct spray to saturate soiled surface. A TechBrush® (2000 Series) may be utilized to help in the removal of heavy soils. When used as a general cleaner, start at top of area to be cleaned using a sweeping motion and spray the area, slowly working toward the bottom. To clean in hard to reach areas, insert extension tube in sprayhead to direct spray. Allow components to dry completely before applying current.

**Defluxing:** Make sure opening of sprayhead is pointing toward surface to be cleaned. Hold can 15-20 cm away. Direct spray to saturate soiled surface. A TechBrush® (2000 Series) may be utilized to help in the removal of heavy soils. When used as a general cleaner, start at top of area to be cleaned using a sweeping motion, and spray the area slowly, working towards the bottom. To clean in hard to reach areas, insert extension tube in sprayhead to direct spray. Allow components to dry completely before applying current. For flat surface cleaning, saturate a lint-free TechClean® Twillwipe (2357) or Purwipe™ (2355) and wipe surface with cloth. Rotate the cleaning side of the wipe periodically and re-saturate.

### Chemical & Physical Properties

Appearance	Clear, colorless liquid
Odor	Faint ethereal odor
Flash Point	none
VOC (EPA)	37%
VOC (CARB)	75%
Boiling Point	33°C (91.4°F)
Density	1.2815 at 25°C

### Chemical Composition

CHEMICAL NAME	CAS #
1,1,1,2,2,3,4,5,5,5-decafluoropentane (HFC-4310mee)	138495-42-8
1,2-transdichloroethylene	156-60-5
Ethanol	64-17-5
Cyclopentane	287-92-3
1,1,1,2-Tetrafluoroethane (aerosol only)	811-97-2
Carbon dioxide (aerosol only)	124-28-9

## Environmental Policy

Techspray is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

## Resources

Techspray products are supported by a global sales, technical and customer services resources.

For additional technical information on this product or other Techspray products in the United States, call the technical sales department at 800-858-4043, email [tsales@techspray.com](mailto:tsales@techspray.com) or visit our web site at: [www.techspray.com](http://www.techspray.com).





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**Countries Outside US**

Call to locate a distributor in your country

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