

# Precision Dusters & Freeze Sprays



### Precision Dusters

All the MicroCare® precision duster products deliver clean, dry blasts of a compressed gas to hard-to-reach surfaces. They enable technicians to remove dry contamination like dust, lint and sand from circuit boards, precision mechanical devices and delicate substrates any type. Importantly, the cleaning is performed without touching the surfaces. Unlike solvent cleaning, which wets surfaces, these precision dusters are completely dry. These products are equipped with a high-flow valve which generates enormous “blasting power.” For static-sensitive applications, the unique, patented StatZAP™ ESD Eliminator from MicroCare can be used on the StatZAP-compatible versions of these products.

### Freeze Sprays

All Micro•Freeze™ products deliver instant chilling of circuit boards and components. They exceed the mil specs of -40°C/-40°F and may chill to as low as -60°C/-76°F under optimal conditions. None will attack plastics or generate component-shattering thermal shock. The Anti-Stat Micro•Freeze includes a static-dissipative additive that evaporates in about sixty seconds.

### Other Information

These products all feature HFC-134a as the propellant, which is the industry standard for nonflammable propellants. This is noncorrosive, residue-free and plastic-safe. Unlike less expensive products, none of them are flammable which greatly enhances worker safety.

**Special Safety Note:** Some companies call their precision dusters by the term “canned air.” These products do not contain air and should not be used as a breathing apparatus.

### MicroCare Corporation

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MicroCare is  
 ISO 9001:2000  
 Registered

### Product Details†

Chemical Family	Hydrofluorocarbon
Aroma	Slight, ethereal
Boiling Point	-26° C / -16° F
Evaporation Rate	Instant
Vapor Pressure @ 20°C	96 PSIA

† These specifications pertain to HFC-134a.

### Health, Safety & Environmental Data

Toxicity Rating (ppm, 8-hr. TWA, TLV)	1000
Flashpoint (TCC)	None
Safety Rating	Nonflammable
NFPA	Health: 1; Fire: 0; Reactivity: 1

Primary Ingredient HFC-134a  
 (In Europe, these product instead feature an HFO Low GWP propellant and have different performance, See PS-125 for details.)

Ozone Impact	Zero
Organic Content (g/L)	MCC-FRZA 12 All others 0

RoHS and WEEE Compliant	Yes
F-Gas Compliant (In Europe only)	Yes
SNAP Approved	Yes

### Packaging

Micro•Freeze™ Circuit Chiller	284 g	MCC-FRZ*†
Micro•Freeze™ Anti-Stat	284 g	MCC-FRZA*
Micro•Blast™, High-Flo Valve	284 g	MCC-DST
Micro•Blast™, StatZap™ Valve	284 g	MCC-DSTZ*
Big•Blast™, High-Flo Valve	392 g	MCC-AIR

Packaged in cases of twelve (12) cans per box. Shelf life is unlimited.

\* Products tagged with an asterisk are StatZAP™ compatible. MicroCare strongly recommends the StatZAP™ dispenser, #MCC-ZAP, to minimize damage from static charges.

† Products tagged with the dagger are available in two different packages, although the part numbers are identical. In Europe, those products are available only with the nonflammable Zeus™ Low GWP Propellant, a MicroCare exclusive, and have safety labeling compliant with EU regulations. Outside of Europe, those two products use U.S. labeling and HFC-134a as the propellant. In either case, the quantity of propellant in the aerosols are identical.

### Product Notes

**AVAILABILITY.** This product is available from MicroCare distributors world-wide. Contact your local distributor at [www.MicroCare.com](http://www.MicroCare.com) for details.

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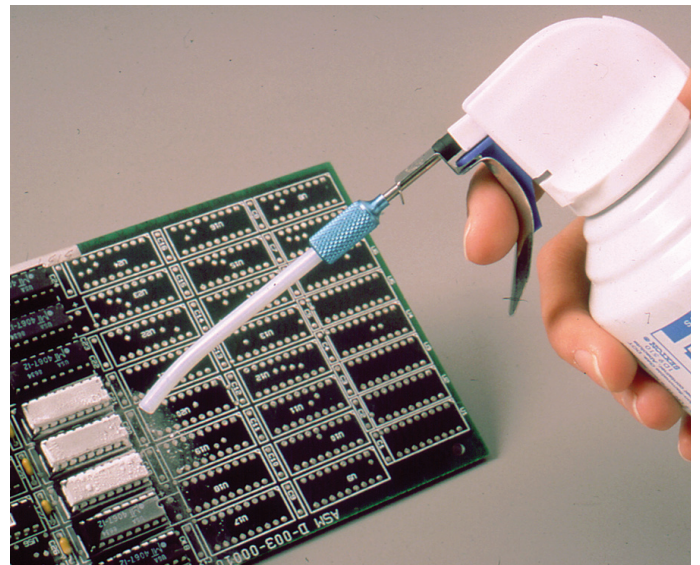
# The StatZAP™ ESD Eliminator Kills Static; Saves PCBs and Avoids Repairs

If your company is using precision dusters in static-sensitive environments, then the StatZAP™ ESD Eliminator is a tool you need.

Each StatZAP™ dissipates the dangerous static charges created by high-pressure aerosols, keeping your components safe from dangerous ESD. Ordinary aerosol sprays create up to 12,000 volts of chip-killed ESD as the liquid or gas races down the plastic spray tube inside the aerosol can. Since voltages as low as 150 volts can cause ESD damage, the StatZAP ESD Eliminator is engineered to continuously drain these charges before they reach dangerous levels.

Other important features include:

- Noncorrosive stainless steel construction for years of life.
- The comfortable knurled grip and the extra-long trigger activator minimize the potential for repetitive motion injuries.
- The angled tip can be rotated upward, making it easy to spray accurately in any direction.
- The ShockShield™ insulating sheath covers the tip of the StatZAP, protecting the board and the operator from accidentally touching an energized circuit.



**Contact MicroCare Today and See  
How Easy It Can Be to Avoid ESD Damage!**

**[www.MicroCare.com](http://www.MicroCare.com)**

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