



# Anti-Static Freezer

1747

Techspray's ESD-safe products can help maintain work areas within the ANSI/ESDS20.20 standards set by the ESD Association (www.esda.com). In a static-free environment, the work area, tools and personnel form a circuit (see diagram to right). Electrostatic Discharge (ESD) occurs when the charges of two surfaces with a large electronic potential (difference) equalize instantaneously. The resulting discharge 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. Cleaners, lotions, and coatings are an integral part of an ESD control program.



## Diagnostic freeze spray for static sensitive assemblies

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. Contains additive that avoids static build-up, critical when working with ESD-sensitive components.

- Avoids static build-up
- Non-flammable
- Non-ozone depleting
- Moisture free
- Zero residue
- Safe on plastics
- Chills down to -40°F (-40°C)

## Product Packaging

**1747-10S**  
Anti-Static Freezer  
10 oz  
12 units/case





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## Instructions

Always be sure that sprayhead is aimed at surface to be chilled. Allow components to heat up to normal operating temperature or until intermittent fault occurs. Spray suspected component until chilled. Product will freeze small areas. Due to the colder temperature and the more aggressive nature of the product, it is possible that prolonged spraying may cause blistering of some conformal coatings or deterioration of some plastics. Always test on a inconspicuous area before using. Can crack ceramics and other temperature sensitive components.

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## Technical Information

### Chemical & Physical Properties

|               |                     |
|---------------|---------------------|
| Appearance    | Colorless gas       |
| Odor          | Faint ethereal odor |
| Flash Point   | none                |
| Boiling Point | -26.2°C (-15.1°F)   |

### Chemical Composition

| CHEMICAL NAME                       | CAS #    |
|-------------------------------------|----------|
| 1,1,1,2-Tetrafluoroethane (aerosol) | 811-97-2 |
| Methanol                            | 67-56-1  |

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## 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.

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## 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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