

## Arctic Blast™ Antistat Freeze Spray

**Product# ES1055**

### Product Description

Arctic Blast Antistat Freeze Spray is engineered for locating thermal intermittent electrical components or cooling printed circuit boards with minimal static generation. Utilizing an ultra-low global warming potential coolant, this product offers the best cooling possible with the lowest global warming impact available. Arctic Blast Antistat is nonflammable\*, residue-free and provides fast cooling action.

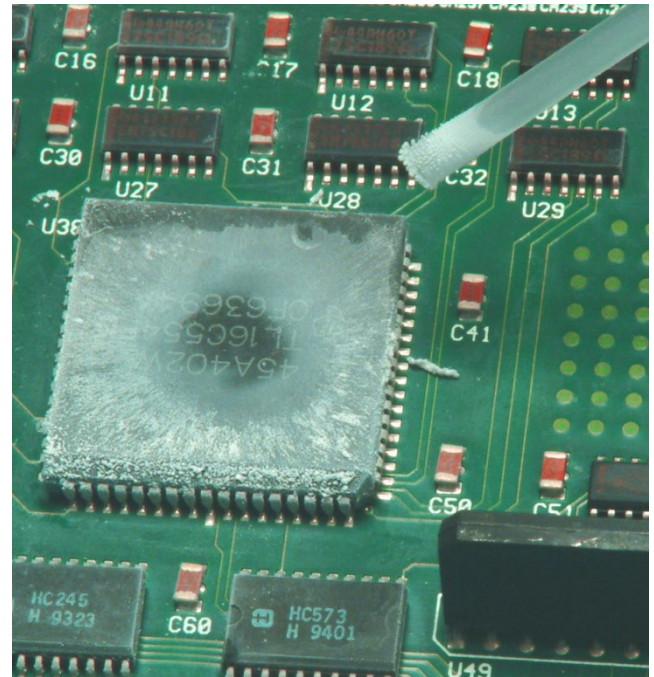
- Cools surfaces to below -49°F / -45 °C
- Minimal static generation
- Ultra-low global warming impact below 1
- Nonflammable\*
- High heat transfer
- Pinpoint spray for individual component isolation
- Noncorrosive
- Ultra-pure, filtered to <0.2 microns
- Leaves no residue
- Nonabrasive on most surfaces
- CFC, HCFC and HFC free

\* under ambient conditions

### Typical Applications

Arctic Blast Antistat Freeze Spray can be used to:

- Cool Equipment for testing
- Dissipate heat while soldering or desoldering
- Isolate thermal intermittent components
- Test circuit traces for continuity
- Test printed circuit boards for stress fractures
- Track intermittent failures and shorts



### Typical Product Data and Physical Properties

|                               |                                   |
|-------------------------------|-----------------------------------|
| <b>Boiling Point:</b>         | -2 °F / -19 °C                    |
| <b>Cools To:</b>              | -49 °F / -45 °C                   |
| <b>Vapor Density (air=1):</b> | 4.0                               |
| <b>@77°F</b>                  |                                   |
| <b>Solubility in Water:</b>   | >1.0 % by weight                  |
| <b>@77°F/1 atm</b>            |                                   |
| <b>Specific Gravity:</b>      | 1.17                              |
| <b>(water = 1@70°F)</b>       |                                   |
| <b>Surface Tension:</b>       | 7.8                               |
| <b>(dynes/cm @ 21.6°F)</b>    |                                   |
| <b>Flash Point (TCC):</b>     | None                              |
| <b>Evaporation Rate:</b>      | >1                                |
| <b>(butyl acetate =1)</b>     |                                   |
| <b>Appearance:</b>            | Clear, colorless<br>liquified gas |
| <b>Odor</b>                   | Slight ethereal                   |
| <b>Shelflife</b>              | 10 years                          |
| <b>RoHS Compliant</b>         | Yes                               |

## Arctic Blast™ Antistat Freeze Spray

**Product# ES1055**

### Compatibility

Arctic Blast Antistat Freeze Spray is generally compatible with most materials used in printed circuit board fabrication, including sensitive plastics and compounds. With any circuit refrigerant, compatibility must be determined on a non-critical area prior to use.

| Material        | Compatibility |
|-----------------|---------------|
| Buna-N          | Good          |
| Graphite        | Excellent     |
| HDPE            | Fair          |
| LDPE            | Fair          |
| Lexan           | Fair          |
| Neoprene        | Good          |
| Cross-Linked PE | Good          |
| Polyacrylate    | Good          |
| Polystyrene     | Fair          |
| PVC             | Good          |
| Silicone Rubber | Fair          |
| Teflon          | Fair          |
| Viton           | Poor          |

### Usage Instructions

**For industrial use only. Read SDS carefully prior to use.**

No special surface preparation is required prior to using Arctic Blast Freeze Spray. Direct spray onto the area to instantly cool components, circuit boards or adhesives. For optimum performance and pin point control, use Arctic Blast Freeze Spray with the attached extension tube

### Availability

ES1055 10 oz. / 283 g Aerosol

### Environmental Impact Data

|          |      |
|----------|------|
| CFC      | 0.0% |
| HCFC     | 0.0% |
| CL Solv. | 0.0% |
| VOC      | 0.9% |
| HFC      | 0.0% |
| ODP      | 0.0  |

CFC, HCFC, CL. SOLV., VOC, and HFC numbers shown are the content by weight. Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. The ODP of this product is 0.0. It is the sum of the ODP of the substances that may contribute to the depletion of stratospheric ozone, based upon the weight of each substance in the product's formulation.

### Technical and Application Assistance

Chemtronics provides a technical hotline to answer your technical and application related questions.

The toll free number is: 1-800-TECH-401.

### Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

**Competitive Assessment of Arctic Blast Antistat**

