

CHEMTRONICS®

Technical Data Sheet

TDS # 1055

Arctic Blast™ Antistat Freeze Spray

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 of 6
- 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

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 Static Sensitive Components

COMPATIBILITY

Arctic Blast™ Antistat 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.

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

Boiling Point	-2 °F / -19 °C
Cools To:	-49 °F / -45 °C
Vapor Density (air=1) @ 70°F	4.0
Solubility in Water @ 70°F / 1 atm	>1.0% by weight
Specific Gravity (water = 1 @ 70°F)	1.17
Evaporation Rate (butyl acetate=1)	>1
Appearance	Clear, Colorless Liquified Gas
Odor	Slight Ethereal
Internal Pressure	47 psia @ 70 °F
Flash Point (TCC)	None
Shelflife	5 years
RoHS/WEEE Status	

<u>Material</u>	<u>Compatibility</u>
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

ENVIRONMENTAL IMPACT DATA

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CFC	0.0%	VOC	0.9%
HCFC	0.0%	HFC	0.0%
CL Solv.	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.

NOTE:

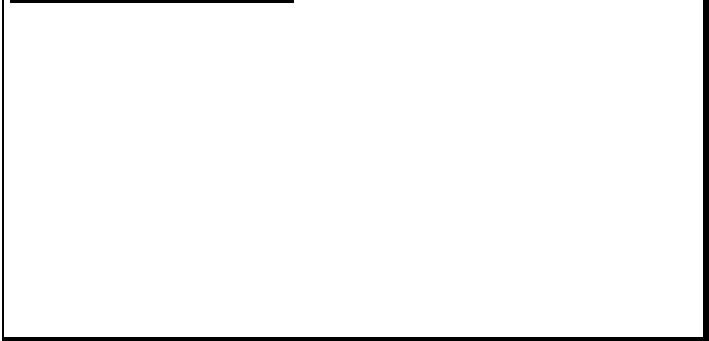
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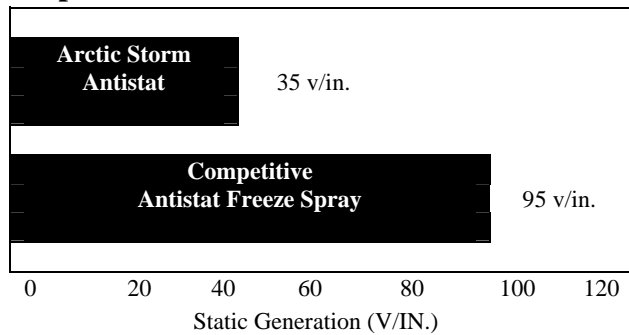
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REV. A (04/11)

Competitive Assessment of Arctic Blast Antistat



USAGE INSTRUCTIONS

For industrial use only.

Read MSDS carefully prior to use.

No special surface preparation is required prior to using Arctic Blast™ Antistat 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™ Antistat Freeze Spray with the attached extension tube.

AVAILABILITY

ES1055 10 oz. Aerosol

TECHNICAL & APPLICATION ASSISTANCE

Chemtronics® provides a technical hotline to answer your technical and application related questions. The toll free number is:

1-800-TECH-401.