

CHEMTRONICS[®]

Technical Data Sheet

TDS # 1550E

Freez-It[®] Freeze Spray

PRODUCT DESCRIPTION

Freez-It[®] freeze spray is engineered for locating thermal intermittent electrical components and cooling printed circuit boards. This circuit refrigerant system is nonflammable, residue-free and provides fast cooling action.

- Nonflammable
- High heat transfer
- Low static generation
- Noncorrosive
- Lowers temperature to 51°C
- Ultra pure, filtered to <0.2 microns
- Leaves no residue
- Nonabrasive on most surfaces
- Contains no CFCs or HCFCs

TYPICAL APPLICATIONS

Freez-It[®] 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

Boiling Point	-26.5°C
Vapor Density (air=1) @ 25°C	3.18
Solubility in Water @ 25°C F /1 atm	0.10% by weight
Specific Gravity (water = 1 @ 25°C)	1.21
Evaporation Rate (butyl acetate=1)	>1
Appearance	Clear, Colorless Liquified Gas
Odor	Slight Ethereal
Surface Tension (dynes/cm @ 25°C)	7.8
Flash Point (TCC)	None

COMPATIBILITY

Freez-It[®] 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.

<u>Material</u>	<u>Compatibility</u>
Buna-N	Fair
Graphite	Good
HDPE	Good
LDPE	Good
Lexan™	Poor
Neoprene	Good
Cross-Linked PE	Good
Polyacrylate	Poor
Polystyrene	Good
PVC	Good
Silicone Rubber	Fair
Teflon™	Good
Viton™	Poor

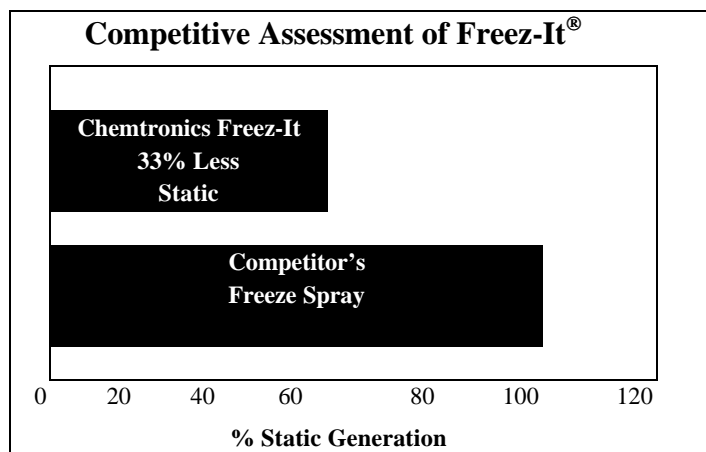
AVAILABILITY*

ES1550I 400 ml Aerosol

* In either "E" (GB,F,D,E,IT) labeling or "D" (Scandinavian + Polish) labeling

TECHNICAL & APPLICATION ASSISTANCE

Chemtronics® provides a technical hotline to answer your technical and application related questions. **1-770-424-4888, X-137.**



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.

MANUFACTURED BY:

CHEMTRONICS INC.

8125 COBB CENTER DRIVE

KENNESAW, GA 30152 USA

1-770-424-4888

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USAGE INSTRUCTIONS

For industrial use only.

Read MSDS carefully prior to use.

No special surface preparation is required prior to using Freez-It® freeze spray. Direct spray onto the area to instantly cool components, circuit boards or adhesives. For optimum performance and pin point control, use Freez-It freeze spray with the attached extension tube.

DISTRIBUTED BY:

TECHNICAL HOT LINE 1-770-424-4888 EXT. 137