



Freeze & Fault Detect

Coolant Spray

For Rapid Chilling & Instant Diagnostics of Equipment

Product Description

ASV® Freeze & Fault Detect is a non-flammable coolant spray for intermittent testing of electronic components. It locates faulty components suspected of thermal intermittent failure & shorts by cold shock chilling. It is also suitable for heat shrink fitting of electrical parts during assembly and for protection of heat sensitive parts from high temperatures during soldering or desoldering processes. Freeze & Fault Detect contains no chlorinated solvents, CFCs or any known ozone depleting chemicals.

Benefits

- Detects cold solder joints, cracks in printed circuit boards and oxidized junctions
- Enables low temperature testing of electronic and electromechanical systems
- No risk of combustion as it is absolutely non-flammable
- Completely moisture free, non-conductive, inert and safe to use on all surfaces
- Leaves no residue and does not contaminate substrates
- Quickly locates faults by cold shock chilling
- Causes immediate reduction in temperatures up to -49°C
- 360° Valve allows product to be sprayed in any position

Applications

- Locating faulty components suspected of failure as integrated circuits, semi-conductors, connectors
- Useful for testing electronic components, thermostats, control systems, thermal valves, ignition systems
- Protection of heat sensitive parts from high temperatures during soldering or desoldering processes
- Heat shrink for electrical parts assembly
- Coolant for electronic and electrical use
- Preventing cold soldering of joints

Directions for Use

Ensure that the spray head is aimed at the surface to be chilled. Use extension tube for pin point application. Let suspected faulty circuit heat up to normal operating temperature or until intermittent fault occurs. Spray single suspected component at a time until chilled to give instant change of output. Check on soft and sensitive plastic parts by spraying on a small area. Overspray may cause blistering of PCB circuit coatings. DO NOT SPRAY ON SKIN AS FREEZANT LIQUID CAN CAUSE FROSTBITE.

Technical Information

Freeze & Fault Detect

Coolant Spray

Technical Properties

Type	Cleaner
Color	Clear
Odor	Mild ether like
Specific Gravity @ 20°C	Above 1.20 gm/cc
Flash Point	None
Freezing Point	-55°C
Solubility	Nil in water
Vapor Density	> air
Percent Volatile	100
Evaporation Rate	Very fast

* of active ingredients

Available Packaging

- 400 g aerosol spray

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Shelf Life

24 months from date of manufacture in sealed condition

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from ASV or your local ASV distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV® product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

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