CIRCUIT FREEZER™

Electrical Freeze Spray
Technical Information

Circuit Freezer is a blend of solvent and propellant in an aerosol applicator that is designed to give a freezing spray at the point of aim.

Circuit Freezer has found a number of applications outside the original intent:

- for providing a cooling spray to aid detection of overheating components in electrical circuits and assemblies;
- To aid removal of chewing gum deposits from fabrics and hard surfaces;
- Freezing small bore water pipes to aid repair.

Primary features attributable to Circuit Freezer are:

- Effective freezing spray;
- Will aid removal of chewing gum deposits from surfaces;
- Aerosol with optional point of aim extension applicator.

Applications

Circuit Freezer is designed for aiding detection of overheating components.
Circuit Freezer has also found applications in the:

- Aiding repair of small bore water pipes;
- Aiding removal of chewing gum.

Compatibility

Circuit Freezer can be safely used on plastics and other hard surfaces.
Care needs to be taken when using with fabrics.

Certificate No. GB06/69741

Safer Solutions For Industry

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Health and Safety

Circuit Freezer is not classed as hazardous and is not flammable.
Users should, however, take care to avoid contact with eyes and skin as freeze burns can be incurred.

See Material Safety Data Sheet for details.

Typical Properties

Appearance		Colourless liquid
Odour		Ether like
pH,		Not Applicable
Density, g/cm^3 @ 20 °C		1.22 (Can contents)
Solubility	in water	Slightly soluble
	other	Soluble in alcohols, esters, chlorinated solvents, polyethylene glycol.
Flash Point (Abel closed cup)		None
VOC content		1090 g/L

Storage life in original, unopened containers, at between 5 °C and 35 °C (41° to 95 °F), is not less than 24 months.

Directions for Use

Application:

Electrical Application:
Circuit Freezer is used as supplied to aid detection of overheating components and similar faults.

Apply by spray directly to affected component(s) using a hold off distance of between 8 to 10 inches.
Use of the supplied extension tube will assist direction of the spray to required target.

Water Pipe Freezing Application:
Circuit Freezer has found use for freezing water in small bore pipes so as to be able to effect a repair without the necessity of system drainage.

Apply direct from can using a hold off distance of about 150 mm (6 inches) to pipe area upstream of damage and sufficiently far away so that repair can be effected.

Chewing Gum Removal:
Circuit Freezer has found use for removal of chewing gum from hard surfaces.
Apply the freezing spray to the gum until frozen then pull, chip or scrape away.

CONTACT DETAILS:

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Packaging Details:

Circuit Freezer is available in:

- 300 ml aerosol containers.