

WP 0911

UNIVERSAL PROTECTOR



Universal Protector is part of our range of antifreeze products for solar, air source and ground source heating recovery systems.

BENEFITS

- Compatibility with all metals
- Anti-freeze protects
- Anti-bacterial
- Acts as a heat transfer liquid
- Corrosion inhibitor
- Low toxicity formula

DESCRIPTION

Universal Protector is a Mono Propylene Glycol (MPG) fluid which has been added to our Aqueous System 8, heat transfer, system cleaning and corrosion inhibitor fluid.

MPG is recommended for solar systems as the product is a lot less toxic than Mono Ethylene Glycol (MEG) and less harmful to the environment in the event of spillages. The advantages of using our Solar Protector are:

- Compatibility with all metals found in heating and cooling systems.
- Protection to -11°C for a 25% solution and -24°C for a 40% solution.
- Helps prevent bacterial contamination.
- Acts as a heat transfer fluid that keeps any sludges that are in the system moving.
- Inhibits corrosion and also prevents the formation of limescale.
- Low toxicity formula that can be used in solar, central heating and chilled water systems (including those in food factories).

PACKAGING

- 5lt
- 20lt

INSTRUCTIONS FOR USE

Add at least 25% of Universal Protector to a solar system to give protection to -11°C. Introduce Universal Protector via the feed and expansion tank by draining sufficient water from the system. Engage the circulation pump for a few hours to ensure mixing. NB: Once a system has been dosed it is not possible to freeze pipes for maintenance work.

% of Universal Protector in mix	Level of protection
25%	-11°C
30%	-15°C
35%	-19°C
40%	-24°C

PHYSICAL PROPERTIES

Colour: Colourless.

Appearance: Liquid

Odour: Characteristic

Solubility: soluble in water

Boiling point: No data available.

Flash point: ~100°C

Flammability: Will not normally support combustion.

Density: No data available.

pH: No data available.

HEALTH & SAFETY

Health & Safety

Hazard pictograms (CLP):

Hazard statements (CLP):

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Precautionary statements (CLP):

Hazardous ingredients: None.

EUH210 – Safety Data Sheet available on request.

Manufactured by:

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