

Sentinel R600

Thermal Fluid for Air Source Heat Pump Systems

Features & Benefits

- Effectively controls corrosion and scale
- Suitable for all metals including aluminium
- Effective frost protection
- Easy to handle
- Non-toxic
- Manufactured under a quality system conforming to ISO9001

Application

Sentinel R600 is a multipurpose inhibited antifreeze concentrate formulated to prevent corrosion and scale in air source heat pump systems including those containing aluminium components. If minimum levels are maintained the product ensures a permanent protection and does not need to be replaced. Sentinel R600 is suitable for use in all waters, both hard and soft. The non-toxic formulation is a clear blue liquid which is easy to handle and dose.

Dosing & Feeding

The dosage of Sentinel R600 will depend on the level of frost protection required. One 20 litre pail of Sentinel R600 added to a typical air source heat pump system (100 litres system volume) will provide the minimum concentration of corrosion and scale inhibitor and also protection from freezing down to approximately -10°C. Two 20 litre pails will provide protection to -30°C. Further information is available upon request

If there is any doubt about the volume of the system the degree of frost protection achieved by dosing the Sentinel R600 can be checked by using the FrostCheck Test Kit.

For best results, it is recommended that systems are cleansed and flushed; new systems and those up to 6 months old with Sentinel X300, existing systems with Sentinel X400 or Sentinel X800 Jetflo.

To ensure the system is sanitised before the introduction of Sentinel R600 it is advisable to add 1 litre of Sentinel R700 Sanitiser & Biocide during the initial fill of the system with water to prevent the development of bacteria and fungi and their associated problems. Circulate the system for 30 minutes to ensure complete distribution through the whole system.

Physical Properties

- Appearance: Clear blue liquid
- Odour: Mild slightly sweet
- Specific gravity: 1.04 (20°C)
- pH in aqueous solution (5%): 6.5 (approx)

Packaging

- 20 litre plastic drum

Safety Precautions

The information provided overleaf enables compliance with the Control of Substances Hazardous to Health Regulations. A Safety Data Sheet is available upon request.

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Thermal Fluid for Air-source heat Pump Systems	A solution of inorganic and organic corrosion and scale inhibitors in propylene glycol.
Health Hazards	Not for use in potable water systems. Not considered hazardous to health.
Handling	Avoid contact with skin and eyes. Keep out of reach of children and animals. Wash out empty container thoroughly with water before disposal.
Storage	Keep container tightly closed. Store in cool, well ventilated area.
Spillage	Flush spillage with plenty of water and wash to waste. On soil: Absorb on to inert material and dispose of according to Controlled Waste Regulations.
Fire/Explosion Risks	Non-flammable. Oxides of carbon and nitrogen evolved in fire.
First Aid	Skin Exposure : Wash immediately with plenty of water. Eye Exposure : Rinse immediately with plenty of water. Seek medical attention. Ingestion : Rinse mouth with water. Do NOT induce vomiting! Seek medical attention.