Purachem HSC4

System Flush & Cleaner

For use in solar thermal heating systems

Application

A commercial solar thermal system cleaner and flush. Suitable for use in all types of solar thermal systems.

Product Description

Formulated using a unique combination of hybrid solvents, alkalis and dispersants. Purachem HSC4 clears blockages, neutralises sludge and rapidly dissolves severely degraded glycol deposits which can cause reduced flow, stagnation and overheating.

Benefits

- Reinstates stagnated solar systems
- Restores heat transfer efficiencies
- Most effective product on the market
- Cost effective
- Always ex-stock with same day dispatch
- All popular drum sizes stocked

Purachem HSC4 is based on sodium hydroxide. The appropriate dose rate and dilution should be determined before use.

Dosing & Utilisation

Always take a system fluid sample prior to any remedial works to establish the overall fluid and system condition, Our Fluid Management or Fluid Monitoring services may be of interest if you need assistance with this.

For a lightly contaminated system: Flush the system using a mix ratio of (Water : HSC4) and charge system.

For a heavily contaminated system: Flush the system using a mix ratio of (Water : HSC4) and charge system.

Physical Properties

Appearance
Yellow Liquid

Consistency
Low viscosity

Density
1.00 - 1.08

Odour
Barely perceptible odour

Foam
Medium foam

pH
12.5 - 13.5

Biodegradability
Purachem HSC4 mixtures are readily biodegradable and will not remain in the environment or bio-accumulate.

Container Sizes
Available in: 1, 5, 20 litre containers (bulk containers & tankers available on request)

1. Connect the solar flushing unit to the system.
2. Flush with clean water into a container until removal of loose deposits ceases.
3. Completely drain into a container.
4. Charge the flushing system with a mixture of Purachem HSC4 and water (see dosing instructions above).
5. Circulate for 30 minutes.
6. Switch off the flushing pump and leave fluid static for 1-1.5 hours.
7. Re-circulate for 15 minutes.
8. Drain to a container
9. Flush into a container with clean water until it runs clear and has a neutral pH.
10. Completely drain the system - purging with compressed air if possible.
11. Re-charge the system with Solaris Heat Transfer Fluid and circulate taking care to vent system of all air.
12. Pressurise and seal the system.
13. Dispose of all fluids according to local regulations.

*For more detailed information on the pre-commission and re-commission cleaning of pipe-work systems, please refer to BSRIA BG 29/2021 guide via www.bsria.co.uk

Re-filling the System

To ensure and maintain system health and efficiency, re-fill with one of our specifically designed solar thermal heat transfer fluids.

Find out more about the Solaris range

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Hydratech Services Division

The Hydratech Services division provides specialist engineering and maintenance services to customers installing, commissioning, operating or optimising closed loop cooling and heating systems. Hydratech's holistic approach to process and hydronic systems management maximises the potential for optimised performance, reduced operational costs and significant return on investment gains.

Find out more about Hydratech Services

Quality Assured

Purachem HSC4 is manufactured in accordance with ISO 9001: 2015 procedures.

Storage & Shelf Life

Maximum 3 years, if stored in its unopened original container, protected from extreme temperatures and out of direct sunlight.

Health & Safety

Please refer to the associated Safety Data Sheet, which is available online via Login and/or by mail.

24/7 Technical Support

Technical support services and products to ensure ongoing system efficiency and protection.

tel. 01792 586800

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