Purachem HSC1

Industrial Pipework Cleaner & Biocidal Flush

For heavy biological growth and silt in cooling & heating systems

Application

An industrial-strength chlorinated system flush and pipework cleaner combined with alkalinity builders and sequestrants. Suitable for use in heating, cooling systems and CIP applications.

Product Description

Formulated to neutralise and suspend heavy biological growth by penetrating and mobilising biofilms, slime and organic sediment, allowing the biological contamination to be flushed away in preparation for pre-commission and re-commission.

Benefits

- Industrial strength for maximum effectiveness
- Well proven over many years use
- Rapid neutralisation of bacteria & algae
- Rigorous removal slime & biofilms
- Mobilisation of organic sediment & detritus
- Excellent suspension of particulates
- Low foaming, suitable for recirculation
- Hard water tolerant
- Can be disposed of to grey-water drain
- Cost effective and improves heat transfer rate

Purachem HSC1 is a blend of sodium hypochlorite, alkaline builders and sequestrants. 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.

Typical dosing for a clean system (preventative dose):
Dose Purachem HSC1 at per 1000 litres of system volume, or % v/v of the total system volume.

Physical Properties

Appearance
Pale yellow liquid

Consistency
Low viscosity

Density
1.05 - 1.2g/cm³

Odour
Chlorine / Beach

Foam
No foam

pH
12.5

Active Biocide
< 3% active Cl.

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

1. Drain existing system contents. Be sure to empty all dead-legs and open any vents ensuring total drainage.
2. Refill with fresh water mixed with the appropriate volume of Purachem HSC1 (see above).
3. Vent the system of any trapped air.
4. Recirculate for a minimum of two hours and a maximum of 24 hours. Regularly check all filters and clean as necessary.
5. Repeat 1.
6. Refill with fresh water.
7. Repeat 3.
8. Recirculate for one hour and then take a sample. Test sample to confirm all biological contaminants have been neutralised.
9. Repeat 1.
10. Refill with required strength of inhibited heat transfer fluid and good quality fresh water.
11. Repeat 3.
12. Re-commission the system and take a second sample for lab analysis.

*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

For product information and advice on our multi-industry sector spanning product ranges please contact us on 01792 586800 or for more information visit hydratech.co.uk

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 HSC1 is manufactured in accordance with ISO 9001: 2015 procedures.

Storage & Shelf Life

Maximum 6 months, if stored in its unopened original container, protected from extremes of temperature 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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