Product Bulletin

ECO FLUSH (AOC4500) HEAVY DUTY ORGANIC CLEANER/DESCALER

Product Description

ECO FLUSH (AOC4500) Heavy Duty Organic Cleaner/Descaler is a unique, 100% active, all-organic blend which has been specifically formulated for the removal of scale, corrosion and sludge from cooling systems, including radiators, heat exchangers and desalination plant pipe-work.

Product Benefits

- Easy to use free-flowing powder form.
- Effective cleaning of mineral scale, corrosion products and sludge
- Contains corrosion inhibitor to protect base metals
- Contains indicator dye to make cleaning more efficient

Principle Uses

Cleaning of build-up of mineral scale, corrosion products and sludge that can accumulate in systems that have been operating for extended periods with poor quality water or low inhibitor levels.

Dosage

The recommended dose is 5% - 5kg / 100litres system capacity.

Handling

Refer to the ECO FLUSH (AOC4500) Heavy Duty Organic Cleaner/Descaler Material Safety Data Sheet before using the product.

Instructions for Use

- **Vehicle Cooling Systems including Stationary Engines.**
  1. Completely drain the old coolant by removing the bottom radiator hose or drain plug.
  2. Remove thermostat if possible and open the vehicles heater circuit.
  3. Flush the system with water to remove any loose material.
  4. Reconnect the bottom radiator hose or retighten drain plug
  5. Refill the cooling system with water, adding the required amount of ECO FLUSH (AOC4500) Heavy Duty Organic Cleaner/Descaler pre-mixed with warm water until dissolved.
  6. **For engines containing Aluminium:** Warm the engine up to operating temperature and leave in the system for at least **30mins.** Then turn off the engine.
  7. **For engines which do not contain any Aluminium:** Warm the engine up to operating temperature and leave in the system for **1hr.** Then turn off the engine.
  8. Remove the bottom radiator hose or drain plug to drain all the coolant from the cooling system whilst hot and allow the engine to cool before the next step.
  9. Add a 5% solution of ECO FLUSH (AOC4550) Heavy Duty Neutralizer and circulate for **30mins**.
  10. Remove the bottom radiator hose or drain plug to drain all the fluid from the cooling system whilst hot and allow the engine to cool before a final flush with fresh water.
  11. Replace the thermostat, reconnect the bottom radiator hose and tighten all clamps or replace drain plug and tighten.
  12. Refill the cooling system with the required dose of AOC Organic Inhibitor/Coolant.

Instructions for use

♦ **Heat Exchange Systems and Desalination Plant Pipe-work.**

1. Completely drain system if coolant is present or if no coolant is present then drain enough out to allow the required amount of ECO FLUSH (AOC4500).
2. Add the required amount of ECO FLUSH (AOC4500) Heavy Duty Organic Cleaner/Descaler that has been premixed in warm (60^0 C) water until dissolved.
3. Top up the system with water
4. Circulate the cleaning solution for at least **1hr to a maximum of 4hrs**, check the pH of the cleaning solution and if it is greater than 4 add extra ECO FLUSH (AOC4500) Heavy Duty Organic Cleaner/Descaler until the pH is around 2.5 and continue to circulate until finished.
5. Drain the cleaning solution from the system after allowing the solution to cool down.
6. Flush the system thoroughly to remove any residual cleaning solution.
7. Add a 5% solution of ECO FLUSH (AOC4550) Heavy Duty Neutralizer and circulate for **30mins - 1 hour**
8. Drain neutralizing solution.
9. Refill system with water as soon as possible.

Testing

After neutralizing the system using the ECO FLUSH (AOC4550) Heavy Duty Neutralizer, check that the pH is above 7, if it is below 7 add extra ECO FLUSH (AOC4550) Heavy Duty Neutralizer.

Service

- On-site technical assistance can be provided to implement and evaluate the cleaning program
- Technical support of a NATA registered laboratory is also available as an integral part of the supply of all Australian Organic Coolants and its Products.